HYOSUNG MOTORS & MACHINERY INC.

HYOSUNG

SERVICE MANUAL

HYOSUNG

Comet 650 S
Comet 650 R

SERVICE MANUAL

99000-94910

FOREWORD

This manual contains an introductory description on HYOSUNG 『Comet650S』 & 『Comet650R』 and procedures for its inspection/service and overhaul of its main components.
It covers the differences from 『Comet650』 and please refer to the service manual of 『Comet650 (99000-94810)』 for others which are not covered in this manual.
This page numbers on the top are ones which are in the service manual of 『Comet650』 and ones on the bottom are the page numbers in this manual.
Other information considered as generally known is not included.
Read GENERAL INFORMATION section to familiarize yourself with outline of the vehicle and MAINTENANCE and other sections to use as a guide for proper inspection and service.
This manual will help you know the vehicle better so that you can assure your customers of your optimum an quick service.

❖ This manual has been prepared on the basis of the latest specification at the time of publication.
If modification has been made since then, difference may exist between the content of this manual and the actual vehicle.
❖ Illustrations in this manual are used to show the basic principles of operation and work procedures.
They may not represent the actual vehicle exactly in detail.

⚠ WARNING

This manual is intended for those who have enough knowledge and skills for servicing HYOSUNG vehicles. Without such knowledge and skills, you should not attempt servicing by relying on this manual only.
Instead, please contact your nearby authorized HYOSUNG motorcycle dealer.

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HYOSUNG MOTORS & MACHINERY INC.





Comet650S (Standard type)



Comet650S (Sports type)



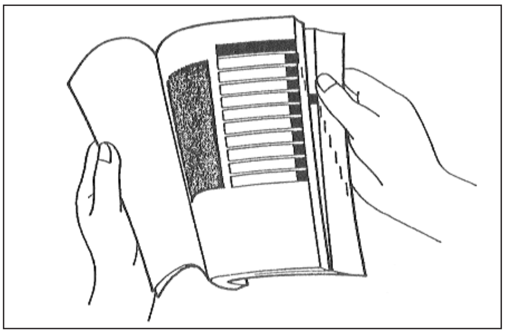
Comet650R

NOTE
Difference between photographs and actual motorcycles depends on the markets.

HOW TO USE THIS MANUAL

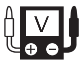
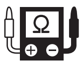
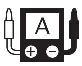
TO LOCATE WHAT YOU ARE LOOKING FOR:

1. The text of this manual is divided into sections.
2. As the title of these sections are listed on the previous page as GROUP INDEX, select the section where you are looking for.
3. Holding the manual as shown at the right will allow you to find the first page of the section easily.
4. On the first page of each section, its contents are listed. Find the item and page you need.



SYMBOL

Listed in the table below are the symbols indicating instructions and other information necessary for servicing and meaning associated with them respectively.

SYMBOL	DEFINITION	SYMBOL	DEFINITION
	Torque control required. Data beside it indicates specified torque.		Apply THREAD LOCK “1324”.
	Apply oil. Use engine oil unless otherwise specified.		Apply or use brake fluid.
	Apply SUPER GREASE “A”.		Measure in voltage range.
	Apply SUPER GREASE “C”.		Measure in resistance range.
	Apply SILICONE GREASE.		Measure in current range.
	Apply MOLY PASTE.		Use special tool.
	Apply BOND “1215”.		Use engine coolant.
	Use fork oil.		

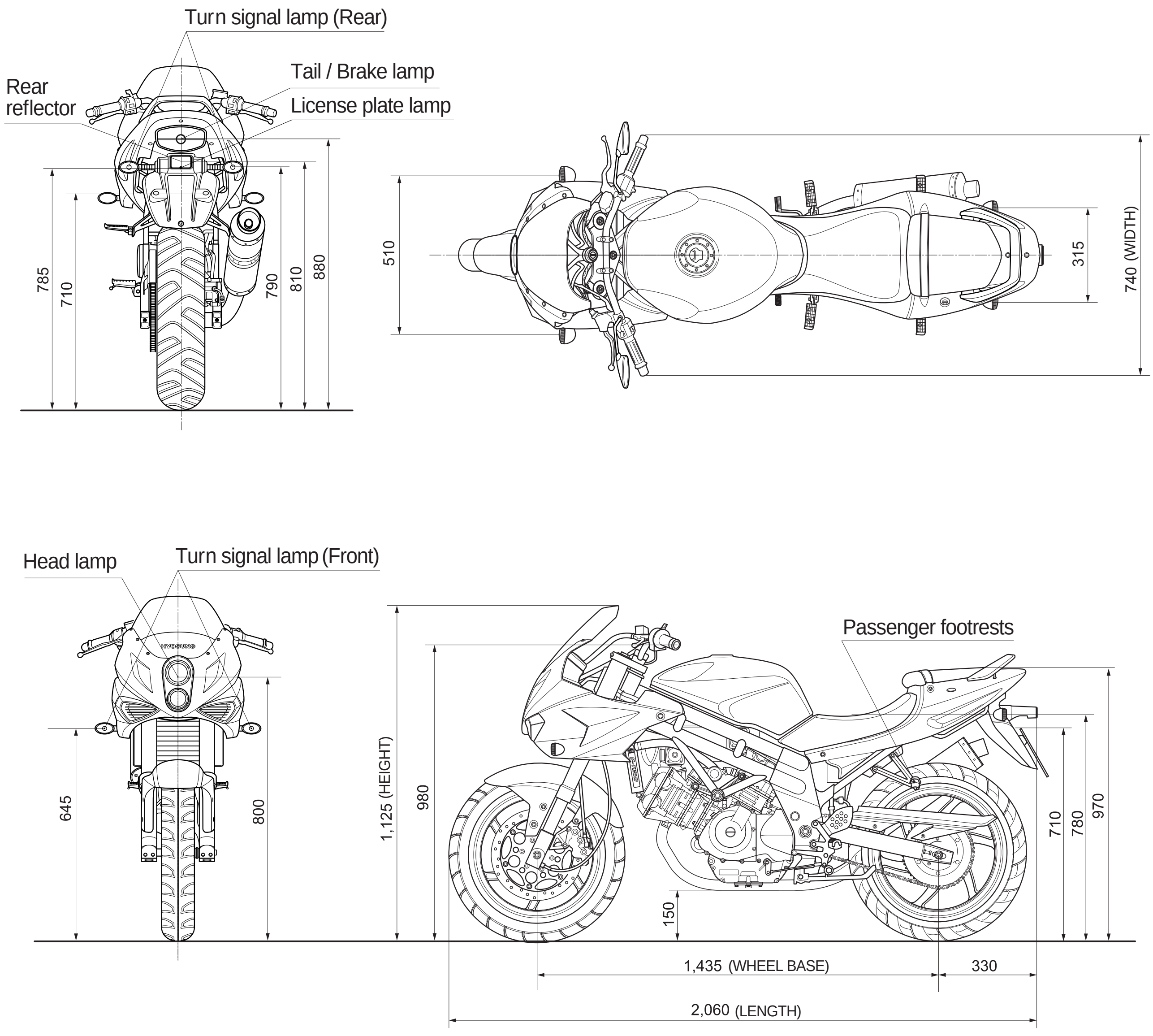
GENERAL INFORMATION

1

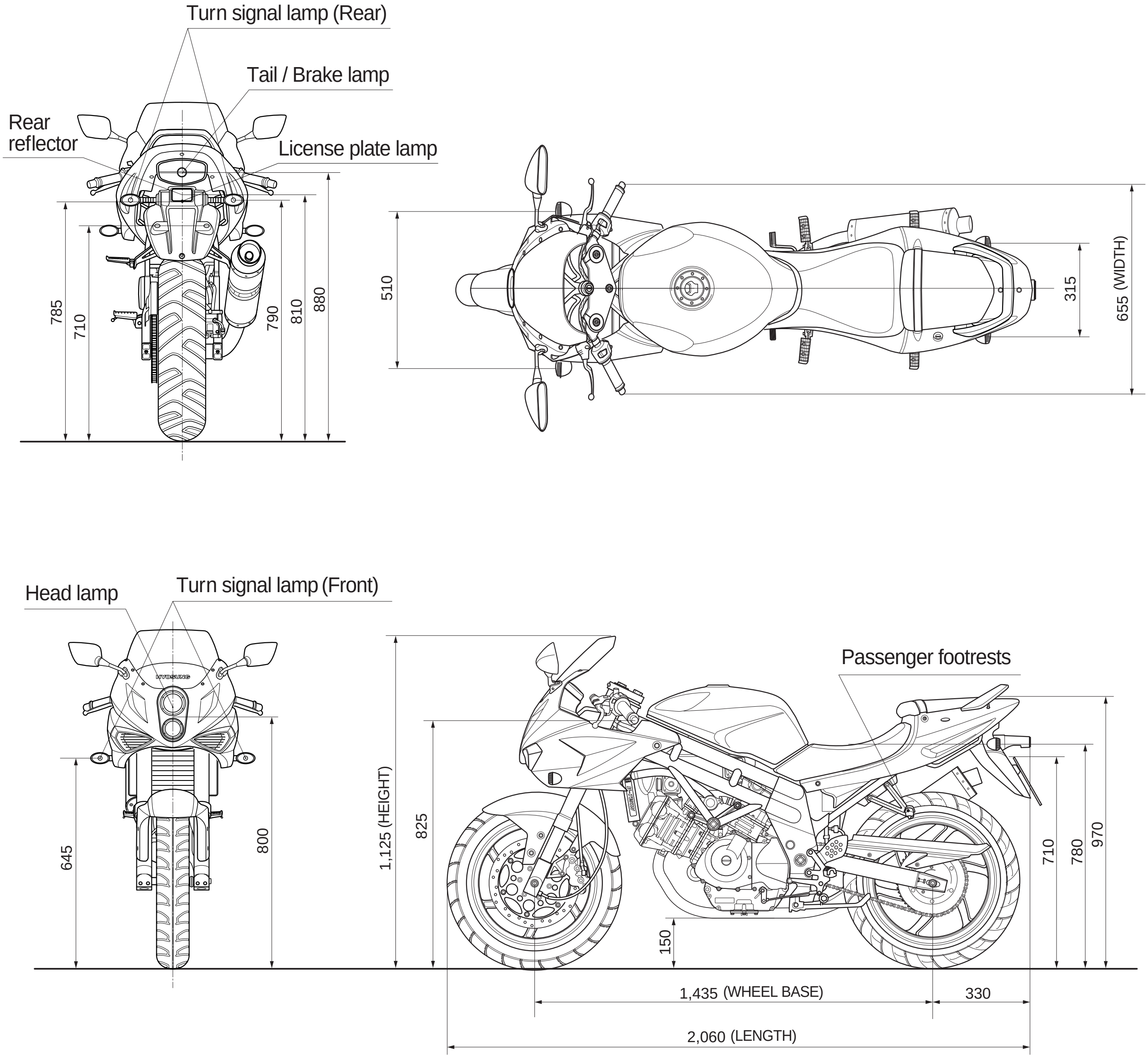
CONTENTS

EXTERIOR ILLUSTRATION 6 (1-7-1)
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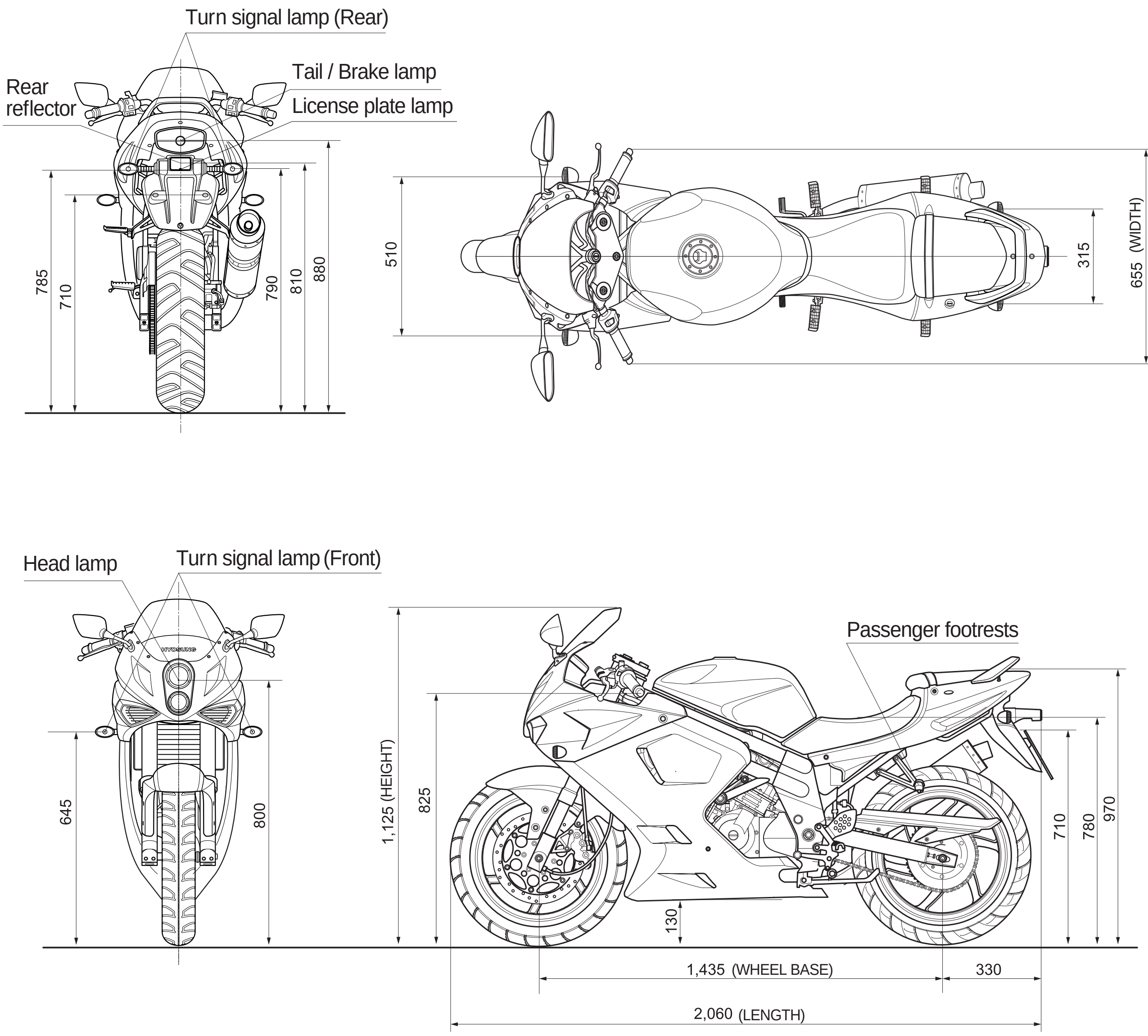
EXTERIOR ILLUSTRATION [Comet650S (Standard type)]



EXTERIOR ILLUSTRATION [Comet650S (Sports type)]



EXTERIOR ILLUSTRATION [Comet650R]



SPECIFICATIONS

DIMENSIONS AND DRY MASS

ITEM	Comet650S (Standard type)	Comet650S (Sport type)	Comet650R
Overall length	2,060 mm (81.1 in)	←	←
Overall width	740 mm (29.1 in)	655 mm (25.8 in)	←
Overall height	1,125 mm (44.3 in)	←	←
Wheelbase	1,435 mm (56.5 in)	←	←
Ground clearance	150 mm (5.9 in)	←	130 mm (5.1 in)
Mass	215 kg (474 lbs)	←	220 kg (485 lbs)

ENGINE

ITEM	Comet650S (Standard type)	Comet650S (Sport type)	Comet650R
Type	Four-stroke, DOHC, Liquid-cooled	←	←
Number of cylinder	V-2 cylinder	←	←
Bore	81.5 mm (3.21 in)	←	←
Stroke	62.0 mm (2.44 in)	←	←
Piston displacement	647 cm^3 (39.5 in^3)	←	←
Carburetor	BDSR39 TYPE (DOUBLE)	←	←
Starter system	Electric starter	←	←
Lubrication system	Wet sump	←	←

TRANSMISSION

ITEM	Comet650S (Standard type)	Comet650S (Sport type)	Comet650R
Clutch	Wet multi-plate type	←	←
Transmission	6-speed constant mesh	←	←
Gearshift pattern	1-down, 5-up	←	←
Final reduction	2.93	←	←
Gear ratio, 1st	2.46	←	←
2nd	1.60	←	←
3rd	1.32	←	←
4th	1.13	←	←
5th	0.96	←	←
6th	0.85	←	←
Drive chain	RK525XSO 108 links	←	←

CHASSIS

ITEM	Comet 650S (Standard type)	Comet 650S (Sport type)	Comet 650R
Front suspension	Telescopic type	←	←
Rear suspension	Swingarm type	←	←
Steering angle	27 ˚ (right & left)	←	←
Caster	25.5 ˚	←	←
Trail	74 mm (2.91 in)	←	←
Front brake	Double disk brake	←	←
Rear brake	Disk brake	←	←
Front tire size	120/60 - ZR 17 55W	←	←
Rear tire size	160/60 - ZR 17 69W	←	←
Front fork stroke	120 mm (4.72 in)	←	←

ELECTRICAL

ITEM		Comet 650S (Standard type)	Comet 650S (Sport type)	Comet 650R
Ignition type		“Igniter” type	←	←
Ignition timing		5 ˚ B.T.D.C.at 1,500 rpm	←	←
Spark plug		CR8E	←	←
Battery		12V 12Ah (MF)	←	←
Fuse	Main	30 A	←	←
	Head lamp	15 A	←	←
Head lamp	HI	12V - H1 : 55W ×1	←	←
	LO	12V - H3 : 55W ×1	←	←
Turn signal lamp		12V - 10W × 4	←	←
Brake / Tail lamp		12V - 21/5W × 1	←	←
Illumination lamp		12V - 1.7W × 2	←	←
License plate lamp		12V - 5W × 1	←	←
High beam indicator lamp		VFD	←	←
Turn signal indicator lamp(right & left)		VFD	←	←
Neutral indicator lamp		VFD	←	←
Fuel indicator lamp		VFD (Level type)	←	←
Coolant temperature indicator lamp		VFD (Level type)	←	←

CAPACITIES

ITEM	Comet 650S (Standard type)	Comet 650S (Sport type)	Comet 650R
Fuel tank	17.0 ℓ	←	←
Engine oil, oil change	3,000 mℓ	←	←
with filter change	3,200 mℓ	←	←
overhaul	3,400 mℓ	←	←
Front fork oil capacity(One side)	380 cc	←	←

NOTE
The specifications are subject to change without notice.

PERIODIC MAINTENANCE

2

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MAINTENANCE PROCEDURES

CARBURETOR 12 (2-7)

CLUTCH 13 (2-9-1)

ENGINE COOLANT 16 (2-20)

MAINTENANCE PROCEDURES

CARBURETOR

Inspect Interval

Inspect Initial 1,000 km and Every 6,000 km.

IDLE SPEED

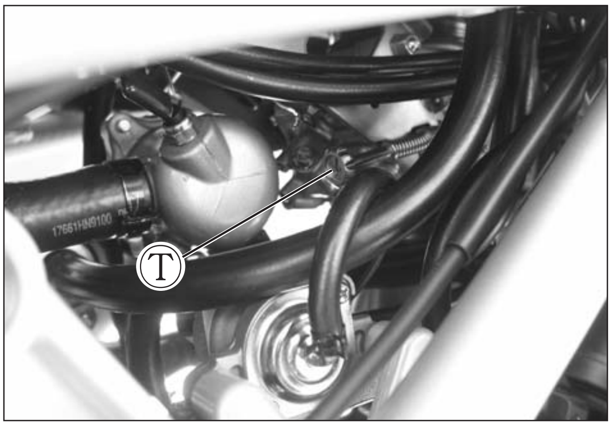
NOTE
Make this inspection when the engine is hot.

● Connect an engine tachometer to the high tension cord.
Start up the engine and set its speed at anywhere 1,300 and 1,500 rpm by turning throttle stop screw Ⓣ.

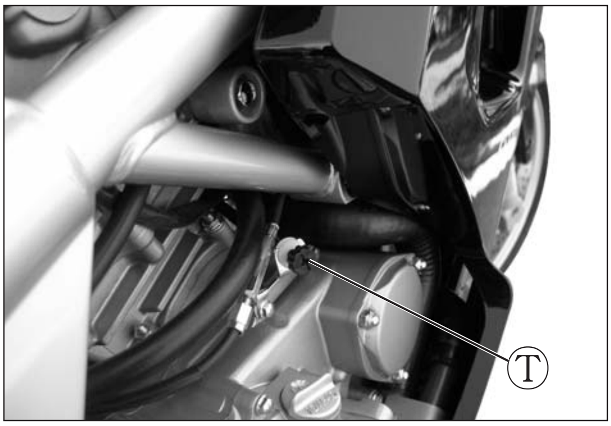
Engine idle speed	1,300～1,500 rpm

Engine tachometer : 09900-26006





『Comet650S』



『Comet650R』

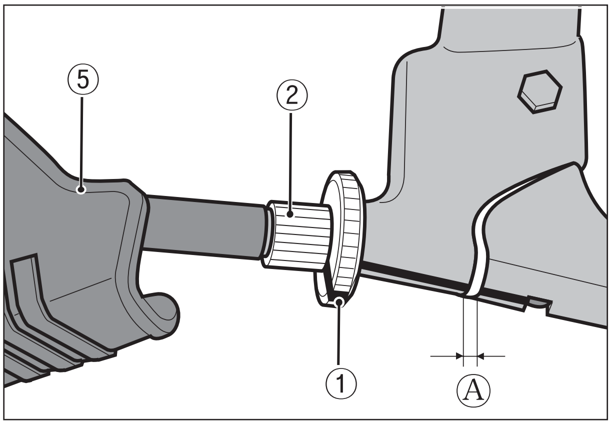
CLUTCH

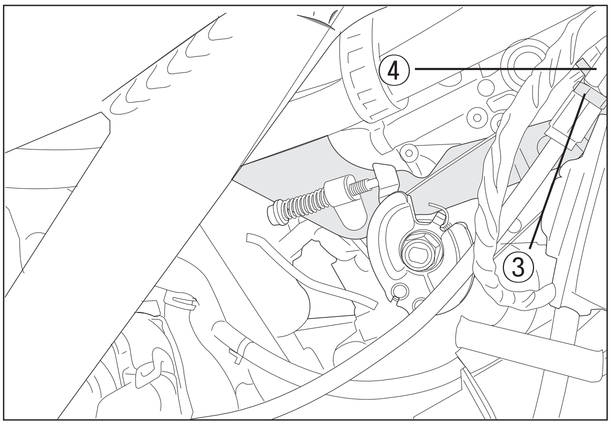
Inspect Interval

Inspect Initial 1,000 km and Every 6,000 km.

Clutch play should be 2 mm(0.08 in) as measured at the clutch lever holder before the clutch begins to disengage. If the play in the clutch is incorrect, adjust it in the following way :

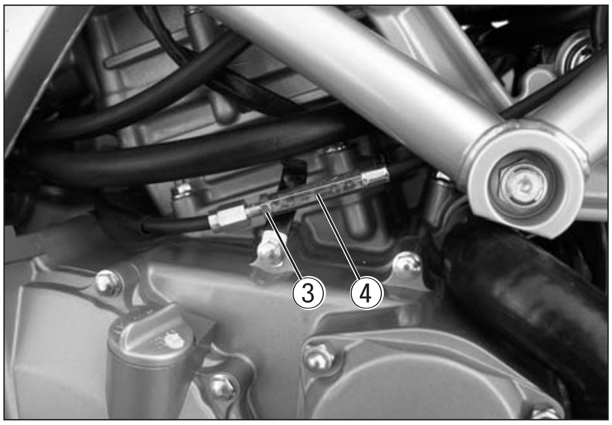
- A basis adjustment can be done by the clutch lever adjuster ②.
- Loosen the clutch lever adjuster ②.
- Screw the lock nut ① clockwise fully, after finishing adjustment.
- After finishing adjustment, tighten the lock nut ① and cover the rubber boot ⑤.
- If it is not adjusted by the adjuster ②, loosen the clutch cable adjuster lock nut ③.
- Turn the clutch cable adjuster ④ in or out to acquire the specified play.
- After finishing adjustment, tighten the lock nut ③.
- The clutch cable should be lubricated with a light weight oil whenever it is adjusted.



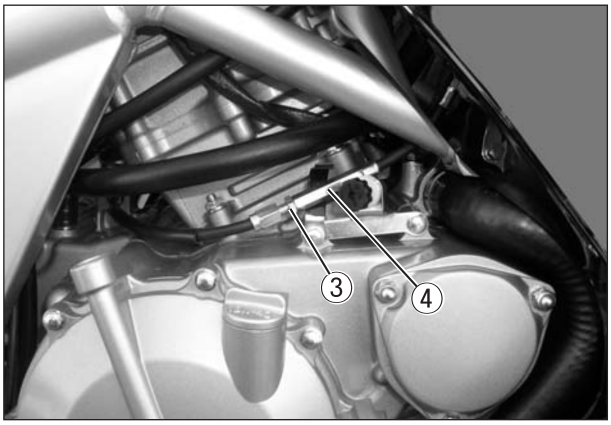


『Comet650S (Standard type)

Clutch cable play Ⓐ	2 mm (0.08 in)



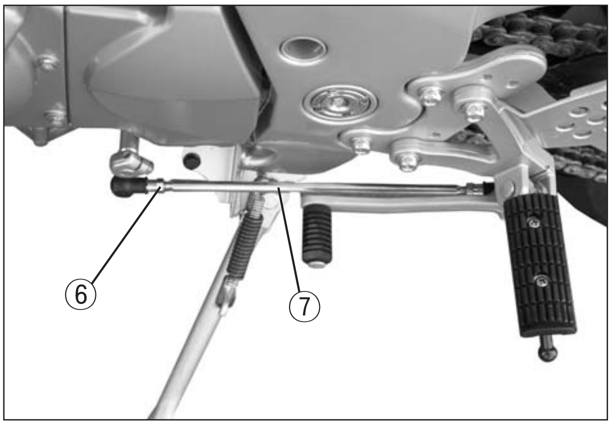
『Comet650S (Sports type)



『Comet650R』

GEARSHIFT LEVER HEIGHT ADJUSTMENT

- Loosen the lock nut ⑥.
- With the link rod ⑦ turned, adjust the gearshift lever height.
- Tighten the lock nut ⑥.



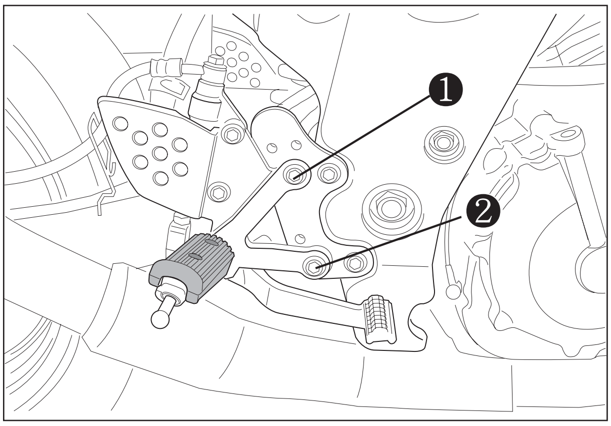
FOOTREST POSITION ADJUSTMENT

『Comet650S』&『Comet650R』have 3 type of the footrest position, right and left.
To change the position, remove the 8mm wrench bolts ①, ② and install the bolts to the desired position by using the hexagon wrench 6mm.

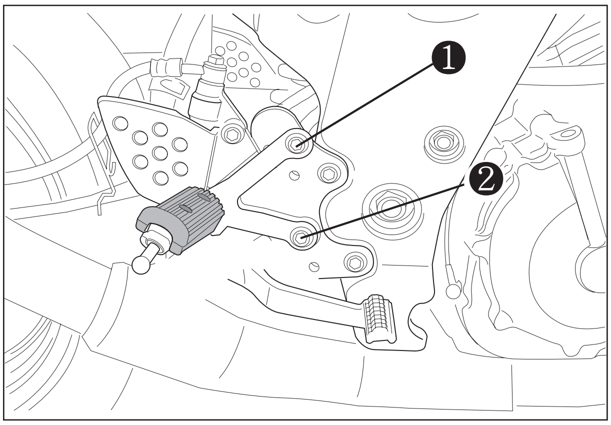
『Comet650S』&『Comet650R』are delivered from the factory on position Ⓐ.

> ⚠ **WARNING**
>
> **When adjusting the footrest position, the 8mm wrench bolts be torqued to the proper specification.**
> **If they are not, the footrest can come off unexpectedly.**

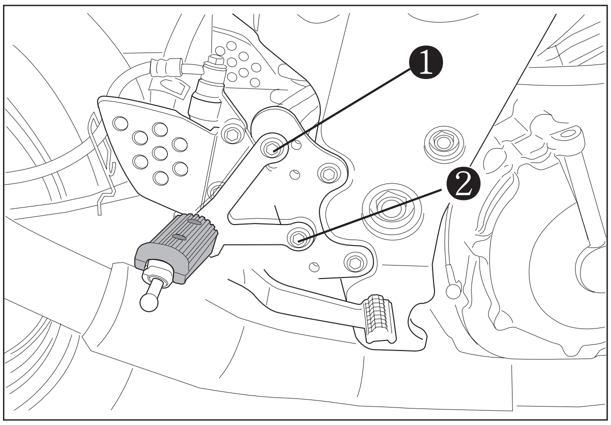
Footrest mounting bolt
: 22 ~ 35 N¡¤m (2.2 ~ 3.5 kgf¡¤m)



[POSITION Ⓐ]



[POSITION Ⓑ]



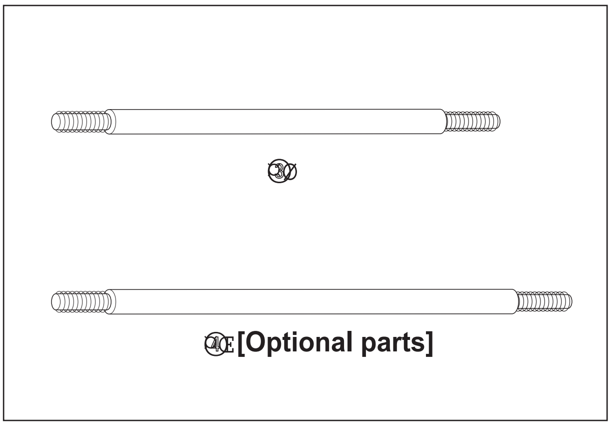
[POSITION Ⓒ]

GEARSHIFT LINK ROD

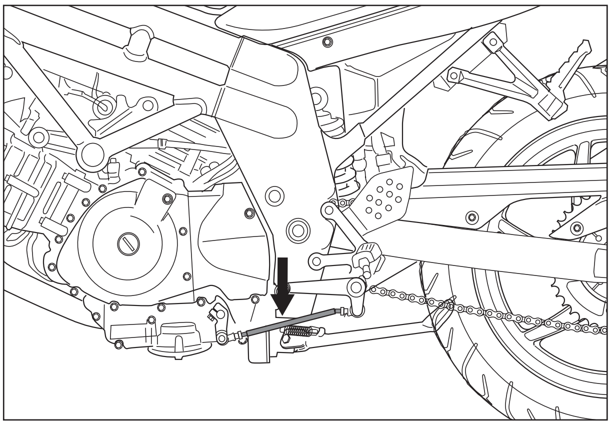
(FOR「Comet650S」&「Comet650R」S OPTIONAL PARTS)

When the footrests in position Ⓒ, exchange the gearshift link rod for appropriate riding position.

- **Position Ⓐ or Ⓑ**
  : Install the gearshift link rod ③
- **Position Ⓒ**
  : Install the gearshift link rod ④



NOTE
The gearshift link rod ④ is optional parts.



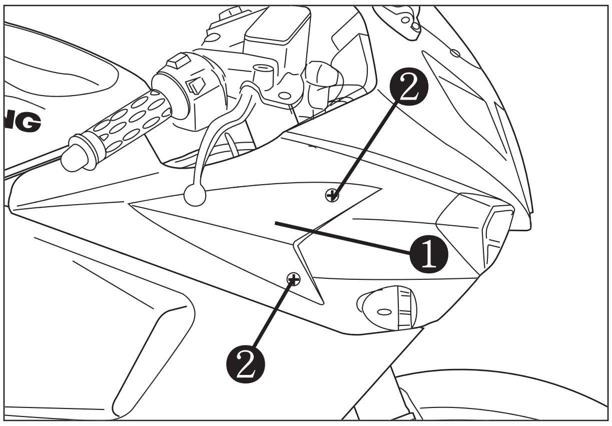
ENGINE COOLANT

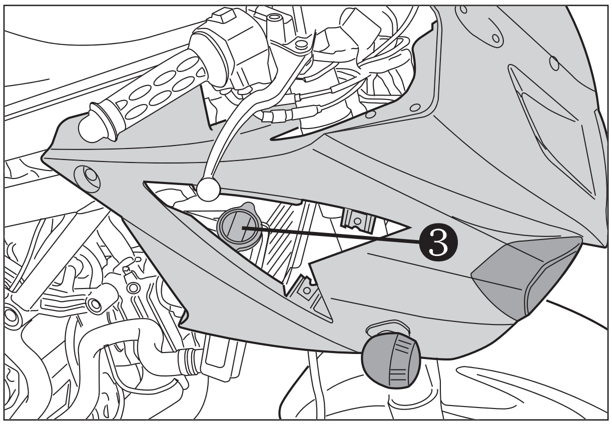
⊙ SIDE COWLING INNER

『Comet650S』&『Comet650R』have the “side cowling inner ①” at the rightside.
Use the “side cowling inner” to operate the radiator cap ③.
To disassemble the “side cowling inner”, remove the two screws ②.

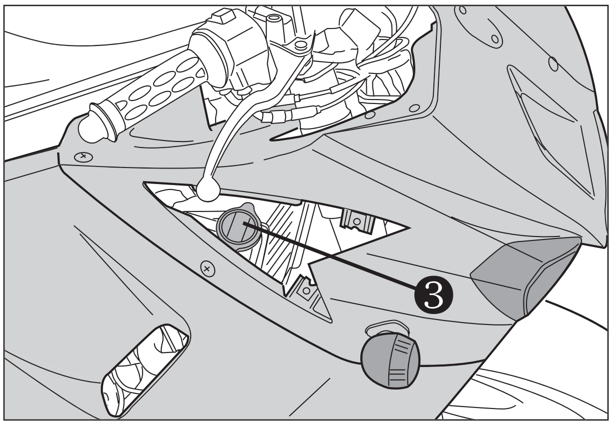
⚠ WARNING

Do not open the radiator cap when the engine is hot, as you may be injured by escaping hot liquid or vapor.





『Comet650S』



『Comet650R』

ELECTRICAL SYSTEM

6

CONTENTS

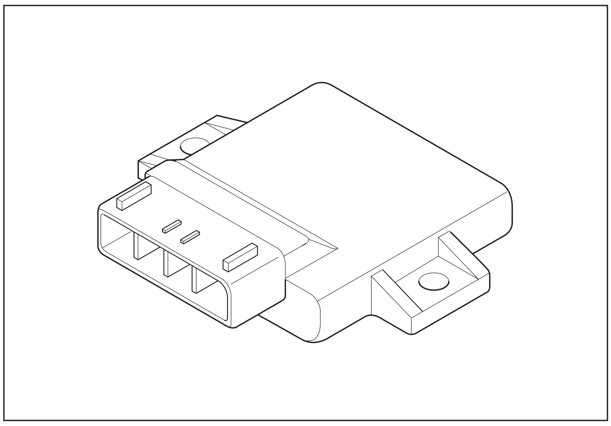
IGNITION SYSTEM .... *18 (6-6)*

LAMP .... *19 (6-16-1)*

IGNITION SYSTEM

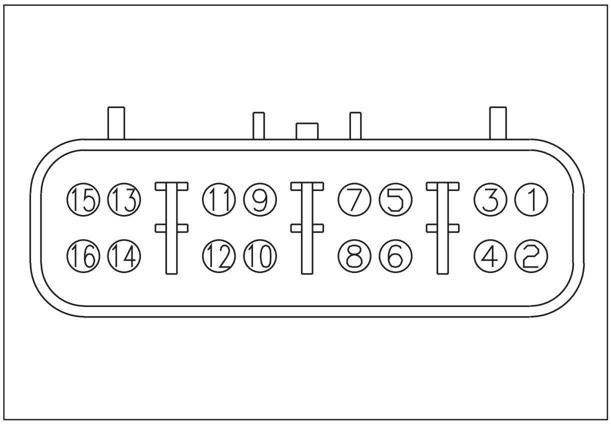
■ IGNITER

Using the pocket tester(R × 1㏀range), measure the resistance between the terminal in the following table.



⚠ CAUTION

- ❖ Numerical value may differ a little according to the tester.
- ❖ Please remind that there may be a defect which can not be identified even though the measurement by using the tester indicates a low voltage.
- ❖ The range of measurement adjust a [X 1㏀] unit.



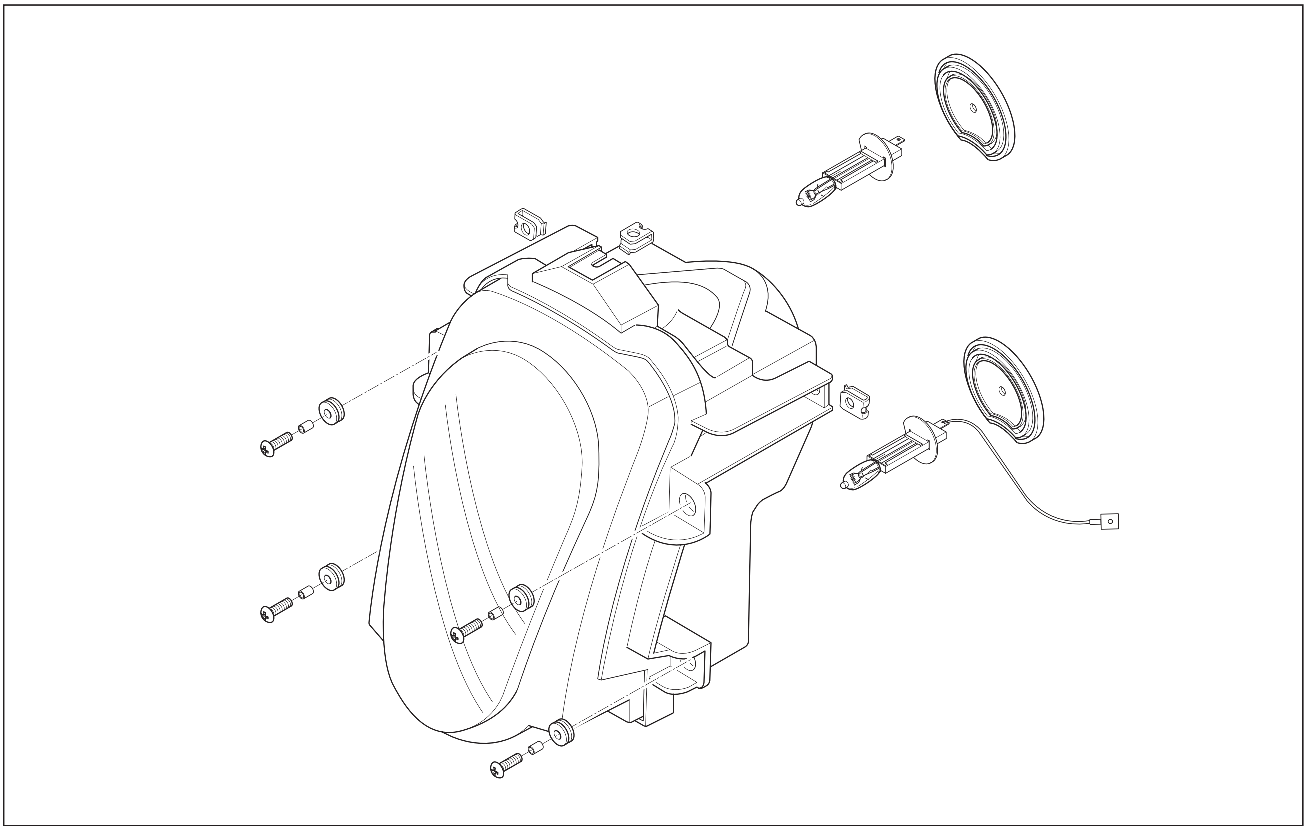
Pocket Tester : 09900-25002

Unit : ㏀

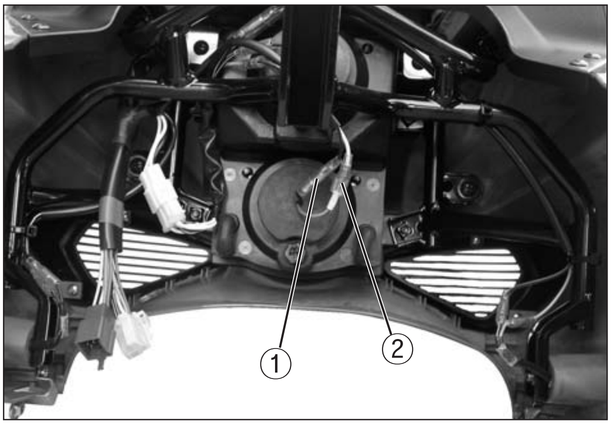
⊖ TESTER PROBE \ ⊕ TESTER PROBE	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯
①		OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
②	OFF		OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
③	250~370	250~380		18~27	22~33	OFF	9.2~13.8	37~55	23.6~35.4	21.6~32.4	22.4~33.6	18~27	53~79	29.5~44.5	9.2~13.8	21.3~31.9
④	180~270	180~270	2.9~4.4		2.8~4.2	OFF	8.4~12.6	9.6~14	3.8~5.8	2.7~4.1	3~4.6	0	46~69	6.4~9.6	7.1~10.4	2.2~3.4
⑤	180~270	180~270	9.6~14	2.8~4.2		OFF	9.6~14	12.2~18.2	2.6~4	1.4~2	1.8~2.6	2.8~4.2	49~73	9.1~13.7	8.6~13	0.9~1.3
⑥	OFF	OFF	OFF	OFF	OFF		OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
⑦	200~300	210~310	21.5~32.5	11.1~16.7	14.3~21.5	OFF		25.7~38.5	15.4~23	14.2~21.2	14.6~21.8	11.2~16.8	39~59	20.4~30.6	4.7~7.1	13.7~20.5
⑧	OFF	OFF	OFF	OFF	OFF	OFF	OFF		OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
⑨	180~270	190~280	11~16.4	3.8~5.7	2.6~4	OFF	10.8~16.2	13.6~20.4		2.4~3.6	0.9~1.3	3.9~5.9	50.5~75.5	10.4~15.6	9.6~14	1.8~2.8
⑩	180~270	190~280	9.6~14	2.5~3.8	1.4~2	OFF	8.7~13.1	12~18	2.4~3.6		1.4~2	2.6~3.8	48~72	8.8~13.2	8~12	0.6~0.8
⑪	180~270	180~270	10~15	3.1~4.7	1.7~2.5	OFF	9.6~14	12.5~18.7	0.9~1.3	1.5~2.3		3.1~4.7	49.5~74.5	9.6~14	8.8~13.2	1~1.4
⑫	170~260	180~270	7~10.4	0	2.8~4.2	OFF	8.5~12.7	9.6~14	3.9~5.9	2.6~4	3~4.6		46.5~69.5	6.4~9.6	7.2~10.8	2.3~3.5
⑬	330~490	330~500	180~270	150~230	80~120	OFF	170~250	190~280	150~230	150~230	150~230	150~230		170~260	165~245	146~219
⑭	200~300	180~270	17.5~26.5	8.6~12.8	7.3~10.9	OFF	17.5~26.5	21.2~31.8	8.2~12.4	7~10.6	7.3~10.9	8.6~12.8	69~103		16.3~24.5	6.4~9.6
⑮	200~300	210~310	16.5~24.5	7.4~11	10~15	OFF	4.6~7	20.8~31.2	11.4~17	10~15	10.4~15.6	7.3~10.9	34~51	15.6~23.4		9.6~14
⑯	170~260	180~270	9~13.5	2.3~3.5	0.9~1.3	OFF	8.8~13.2	11.4~17	1.8~2.8	0.6~1	0.9~1.3	2.3~3.5	48~72	8.6~13	8.1~12.1	

LAMP

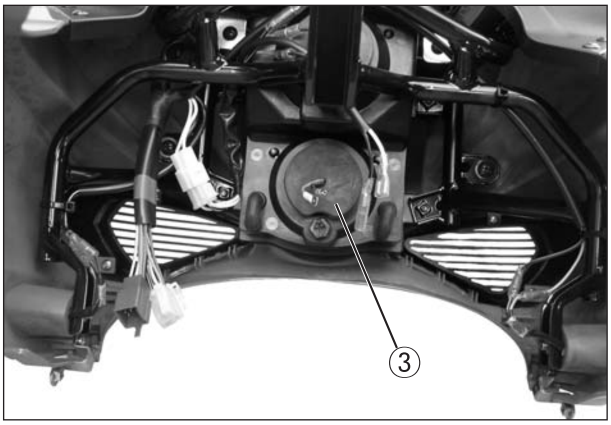
HEAD LAMP



■ REPLACEMENT OF HEAD LAMP BULB

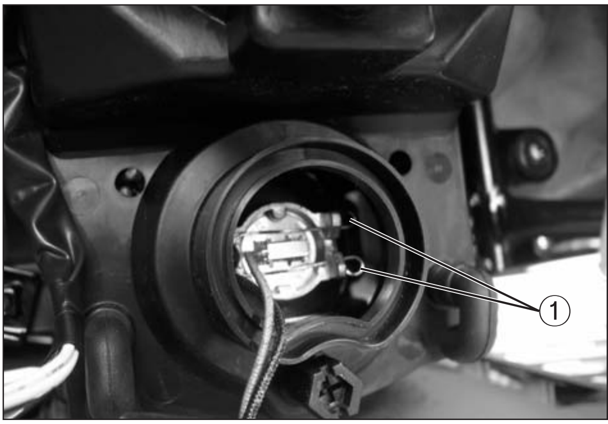


- Remove the under cowling. (Comet650R)
  (Refer to page 7-1-2 ~ 3)
- Remove the body cowling.
  (Refer to page 7-1-4 ~ 5)
- Remove the head lamp coupler ①, ②.

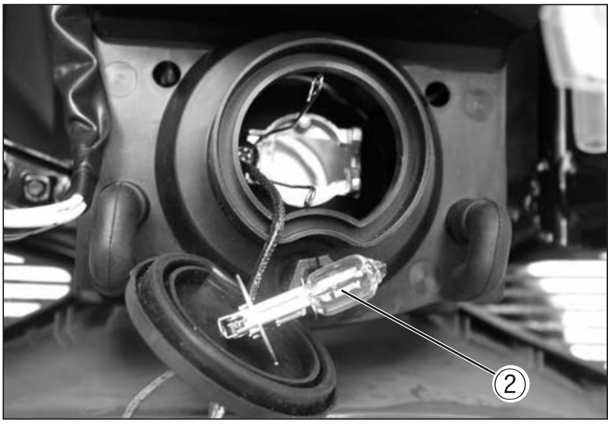


- Remove the dust cover ③.

- Remove the socket spring ①.



- Remove the bulb ② and replace the new bulb.

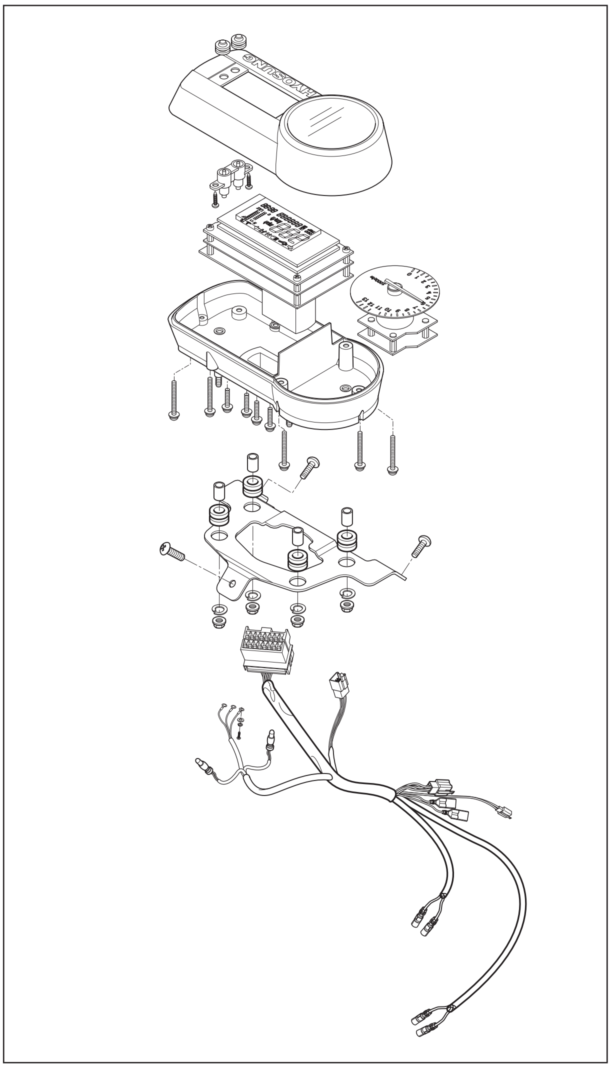


- Remove the head lamp "HI" bulb with the same manner of the head lamp "LOW" bulb removal.

- Reinstall the head lamp bulb in the reverse order of head lamp bulb removal.

⦿ COMBINATION METER

Remove the combination meter.
Disassemble the combination meter as shown in the illustration.

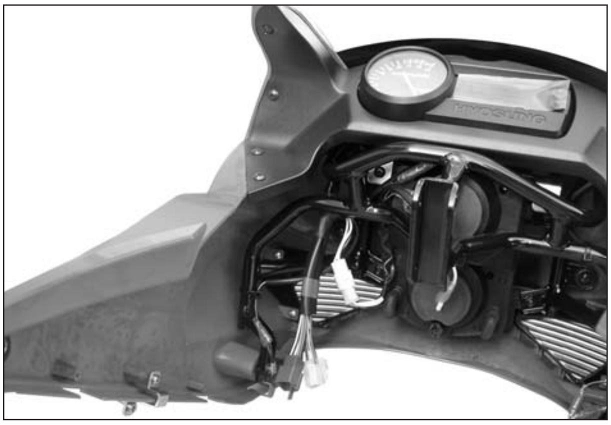


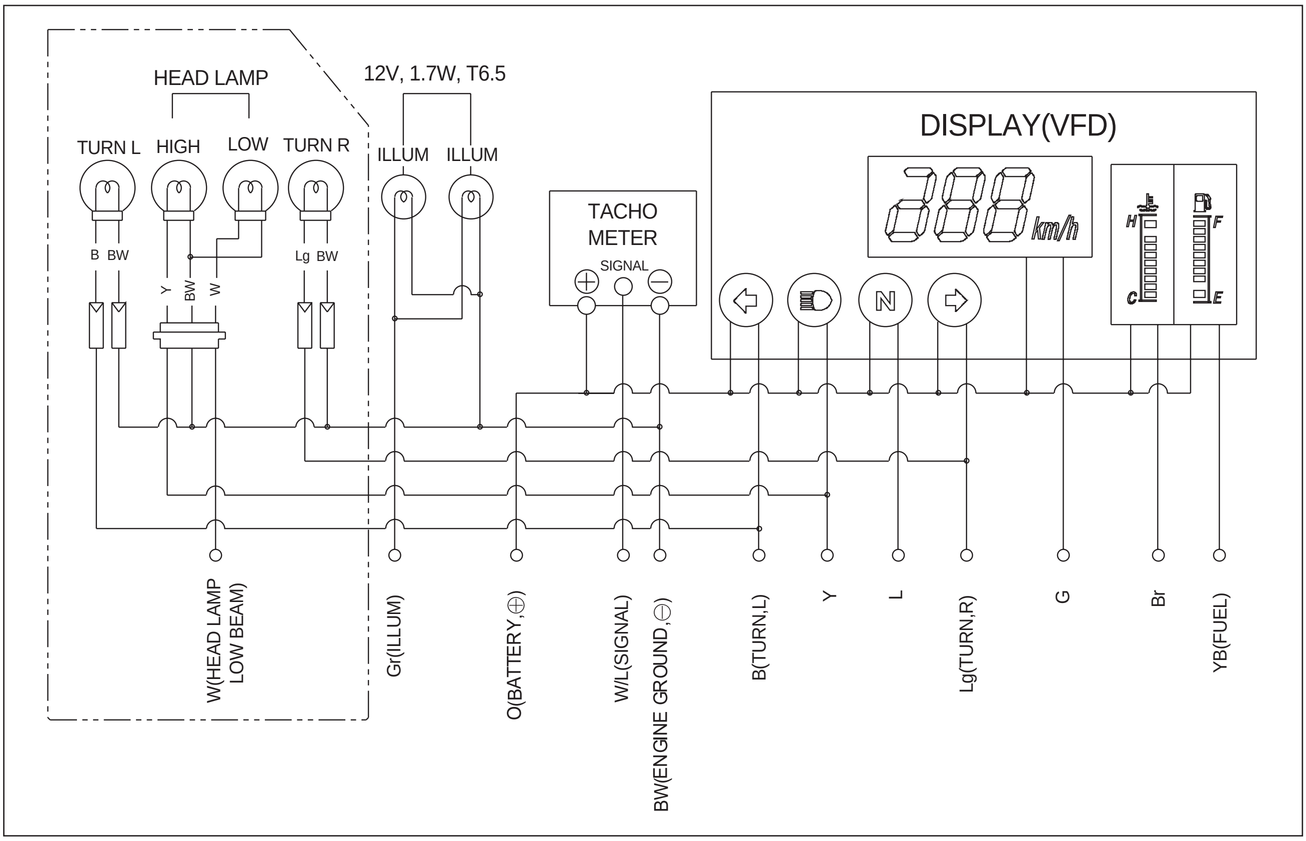
■ INSPECTION

Using the pocket tester, check the continuity between lead wires in the following illustration.
If the continuity measured incorrect, replace the respective part.

TOOL **Pocket tester : 09900-25002**

⚠ CAUTION
When making this test, it is not necessary to remove the combination meter.




HEAD LAMP
12V, 1.7W, T6.5
DISPLAY(VFD)
TURN L
HIGH
LOW
TURN R
ILLUM
ILLUM
TACHO
METER
SIGNAL
km/h
H
C
F
E
B BW
Y
BW
W
Lg BW
W(HEAD LAMP
LOW BEAM)
Gr(ILLUM)
O(BATTERY,⊕)
W/L(SIGNAL)
BW(ENGINE GROUND,⊖)
B(TURN,L)
Y
L
Lg(TURN,R)
G
Br
YB(FUEL)

CHASSIS

CONTENTS

EXTERIOR PARTS 24 (7-1-1)
HANDLEBARS 29 (7-13-1)
STEERING 33 (7-23)

7

EXTERIOR PARTS

REAR CARRIER

■ REMOVAL

● Open the rear seat with the ignition key.



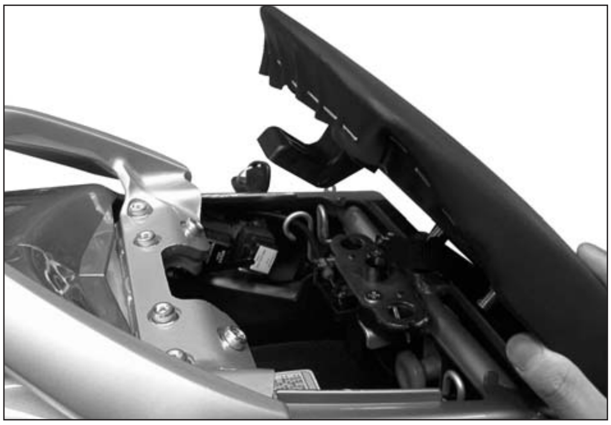
● Remove the rear carrier mounting bolts ① and separate the rear carrier ②.



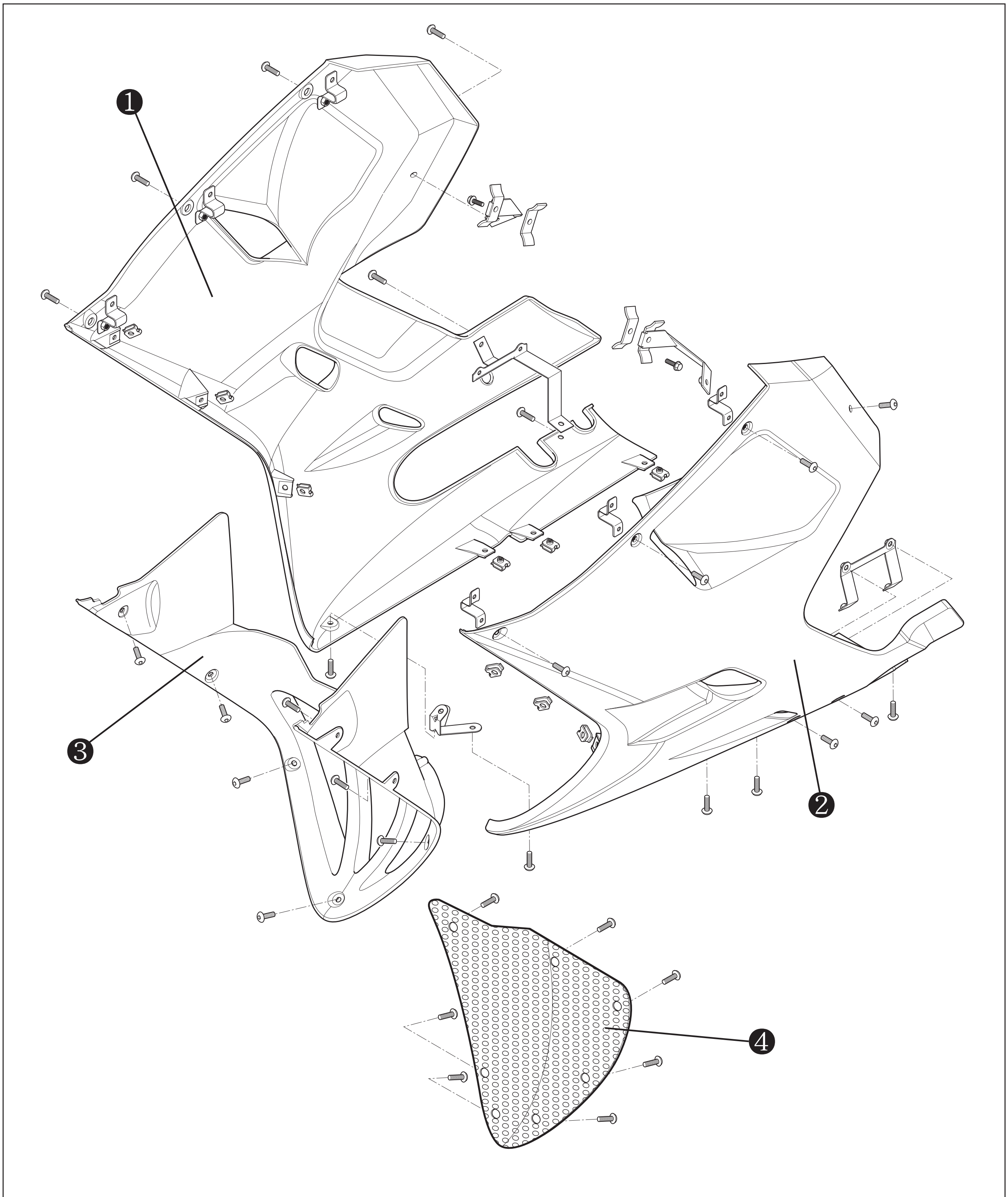
■ INSTALLATION

Reassemble the rear carrier in the reverse order of removal.

● To reinstall the rear seat, slide the seat hook into the seat hook retainer and push down firmly until the seat snaps into the locked position.



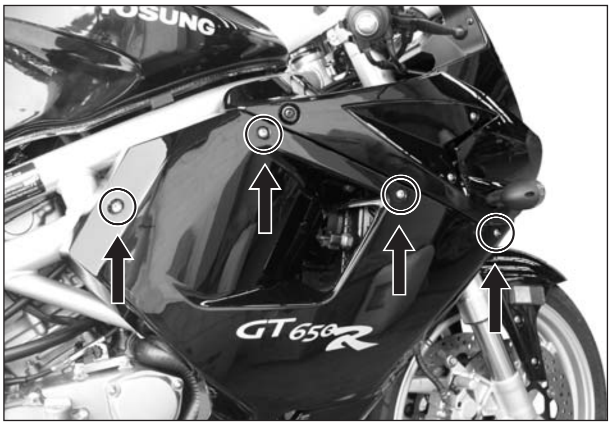
⑥ UNDER COWLING (Only¡ºComet650R¡»)

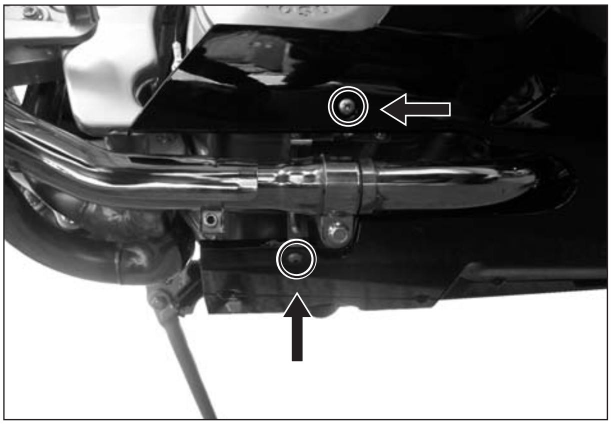


① Under cowling RH
② Under cowling LH
③ Under center cowling
④ Under center cowling grill

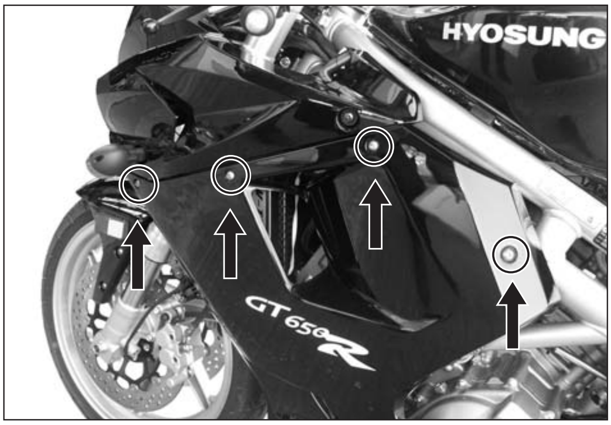
■ REMOVAL

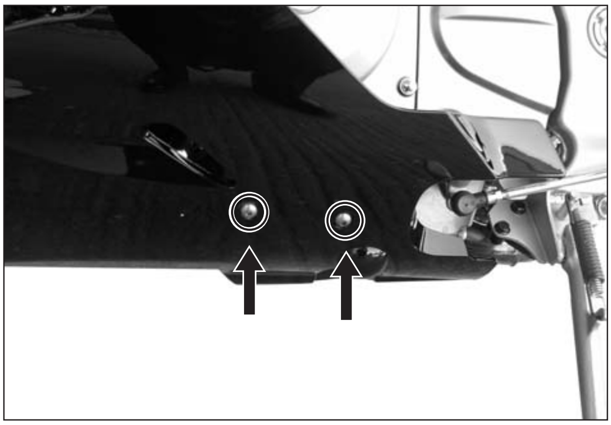
● Remove the under cowling screws at the rightside.



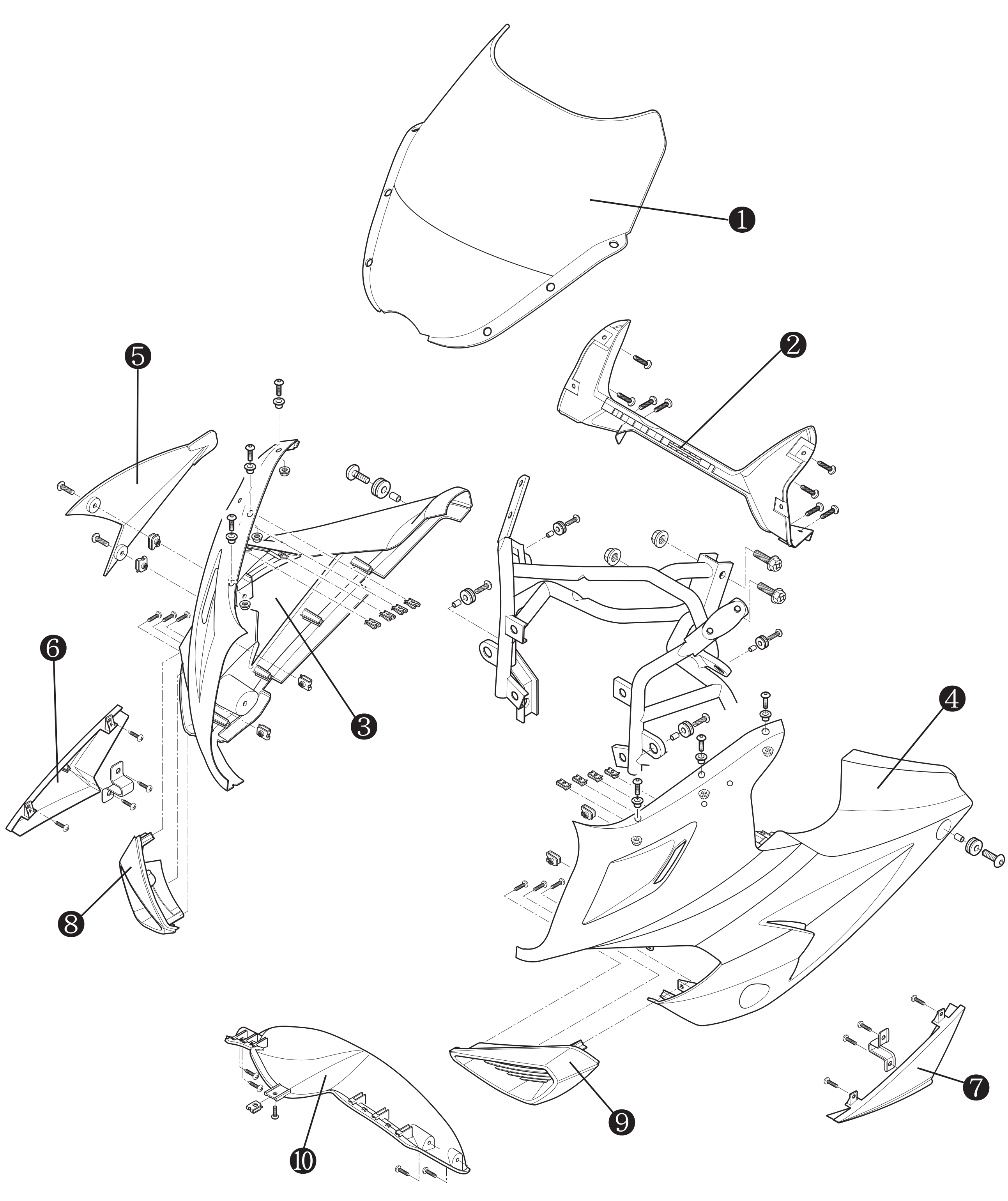


● Remove the under cowling screws at the leftside.





⊙ BODY COWLING



¤ Windscreen
¤ŁMeter panel
¤ØBody side cowling RH
¤ŒBody side cowling LH
¤°Body side cowling inner RH
¤ Body side cowling lower RH
¤ Body side cowling lower LH
¤ Air duct cowling RH
¤ Air duct cowling LH
¤ Body center lower cowling

⎘ REMOVAL

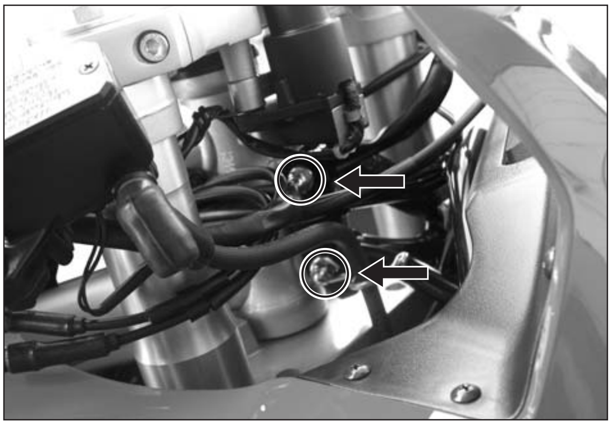
- Remove the body cowling screw at the rightside.



- Remove the body cowling screw at the leftside.



- Remove the two cowling brace bolts.
- Remove the speedometer lead wire and head lamp lead wire.

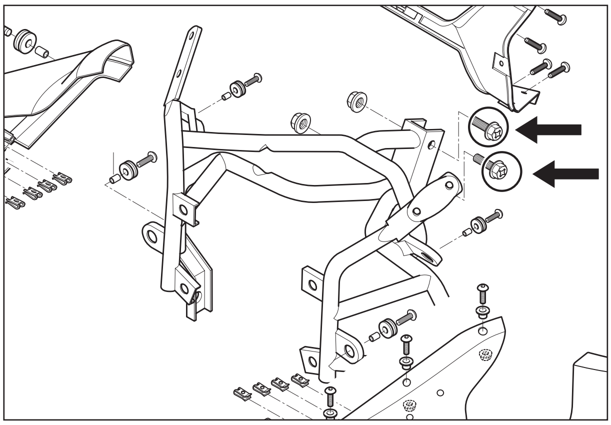


⎘ REMOUNTING

- Tighten the two cowling brace bolts.

Cowling brace bolt

: 22 ~ 35 N ¡¤m (2.2 ~ 3.5 kg ¡¤m)

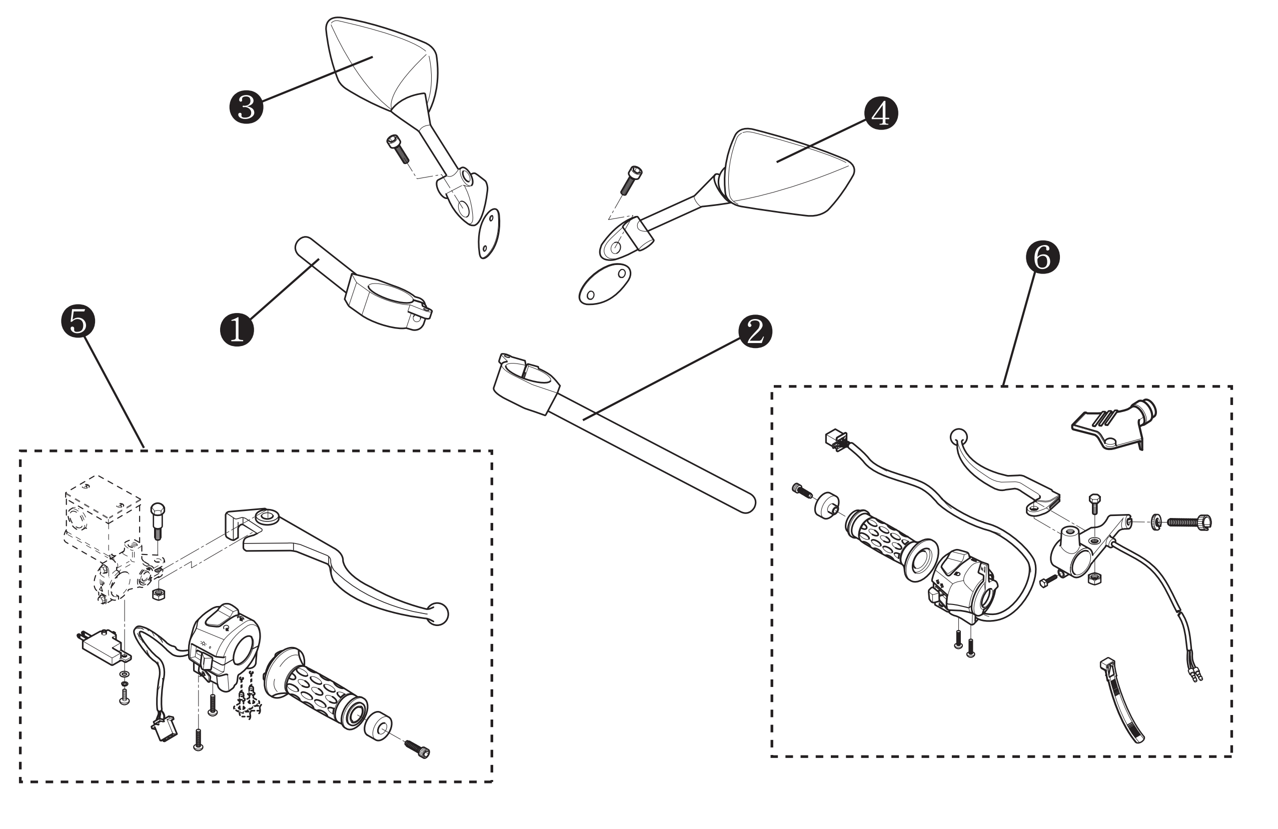


HANDLEBARS

Comet650S (Standad type)

☞ Refer to the service manual『Comet650 (99000-94810)』page 7-13 ~ 14

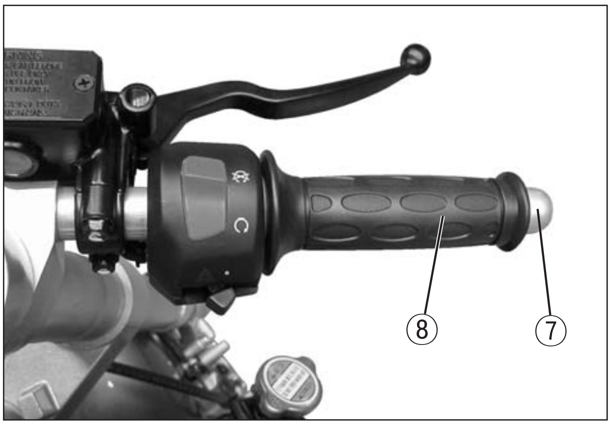
Comet650S (Sports type) & Comet650R



① Handlebar composition RH ③ Rear view mirror assembly RH ⑤ Handlebar switch assembly RH
② Handlebar composition LH ④ Rear view mirror assembly LH ⑥ Handlebar switch assembly LH

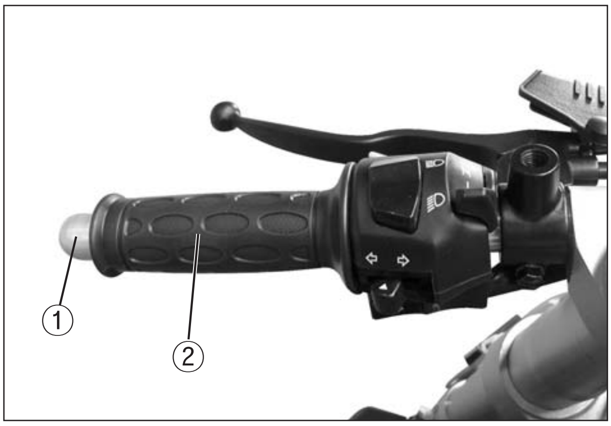
¡æHANDLEBAR RIGHT SIDE PARTS REMOVAL

- Remove the right handlebar switches.
- Disconnect the brake lamp switch lead wires and remove the master cylinder.
  ☞ Refer to the service manual 『Comet650 (99000-94810)』 page 7-10
- Remove the handlebar balancer ⑦ and grip ⑧.

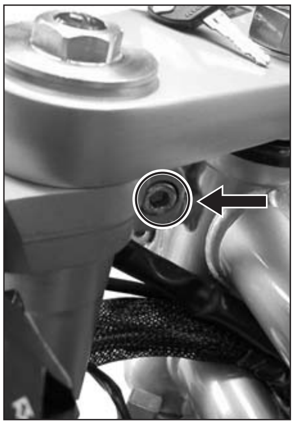


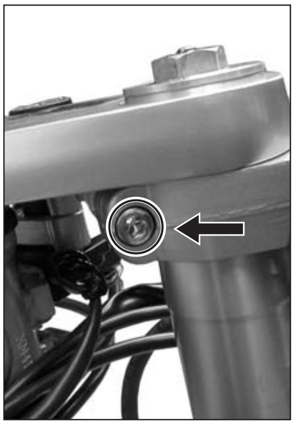
¡ÆHANDLEBAR LEFT SIDE PARTS REMOVAL

- Remove the left handlebar switches.
- Remove the handlebar balancer ① and grip ②.
- Remove the clutch lever holder.

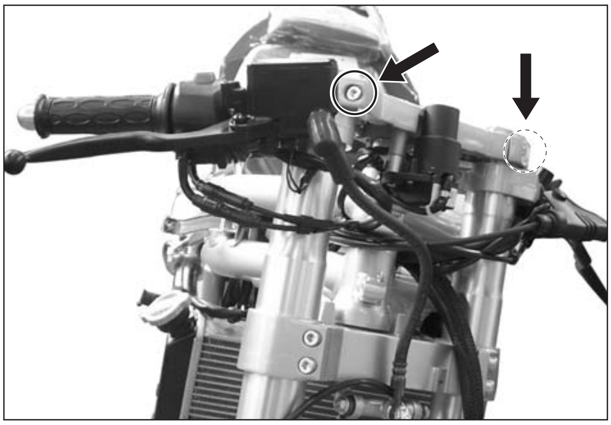


- Loosen the handlebar clamp bolts, right and left.





- Loosen the front fork upper clamp bolt, right and left.

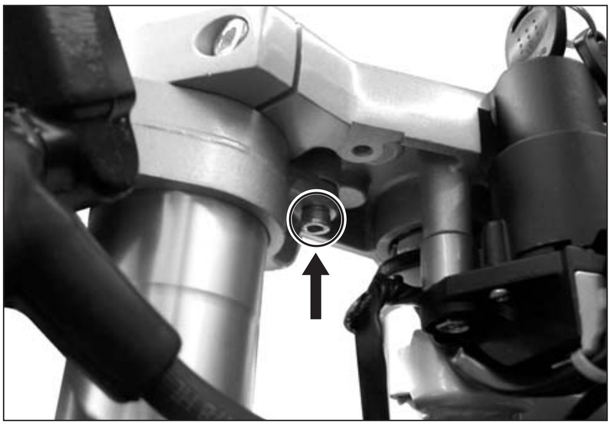


- Remove the steering stem upper bracket by removing the steering stem head nut.

NOTE
Place the rags under the steering stem upper bracket to prevent scratching the body cowling.



● Remove the handlebar holder bolt, right and left.
● Draw out the handlebars to upward.



¡ÆREMOUNTING

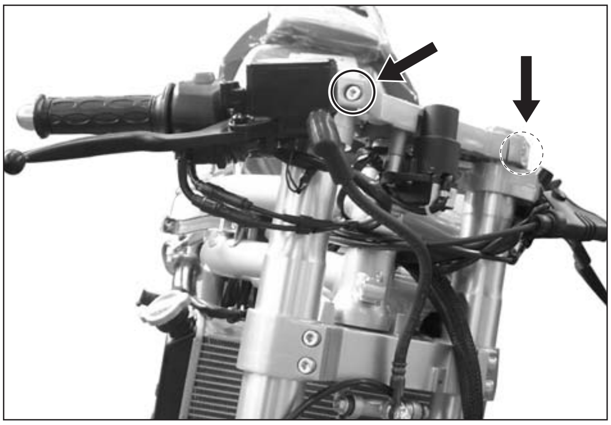
Remount the handlebar in the reverse order of removal.
Pay attention to the following point :
● Install the handlebars temporary.
● Install the steering stem upper bracket.
● Tighten the steering stem head nut.

Steering stem head nut
: 80 ~ 100 N ¡¤m (8.0 ~ 10.0 kg ¡¤m)



● Tighten the front fork upper clamp bolt, right and left.

Front fork upper clamp bolts
: 22 ~ 35 N · m (2.2 ~ 3.5 kg · m)



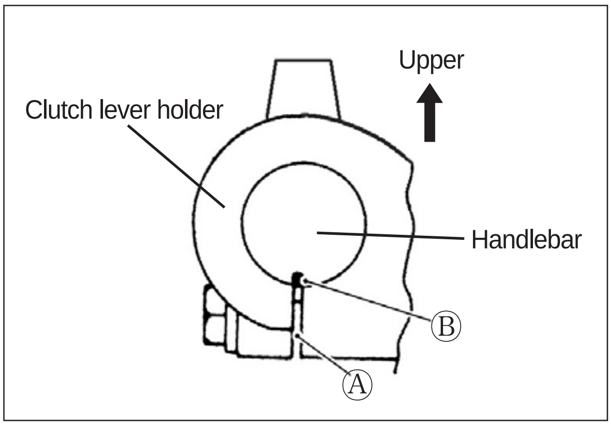
● Tighten the handlebar clamp bolts, right and left.

Handlebar clamp bolt
: 22 ~ 35 N ¡¤m (2.2 ~3.5 kg ¡¤m)

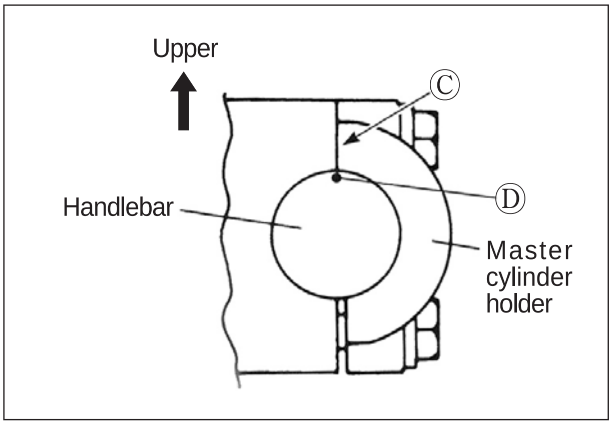




● When remounting the clutch lever holder, align the holder s mating surface Ⓐ with punch mark Ⓑ on the handlebar.



● When remounting the front brake master cylinder onto the handlebar, align the master cylinder holder s mating surface Ⓒ with punch mark Ⓓ on the handlebar and tighten the upper clamp bolt first as shown.



⚠ WARNING

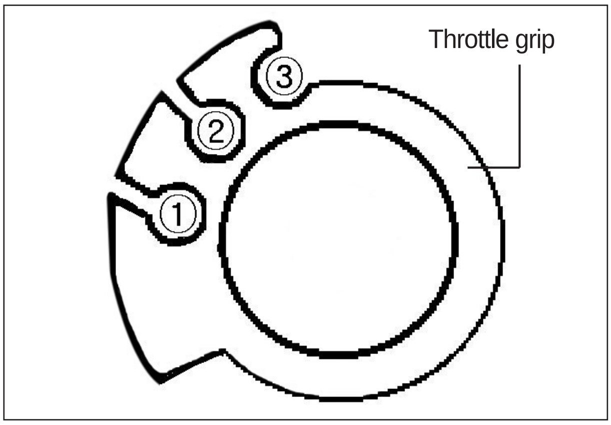
Bleed air from the brake fluid circuit after assembling master cylinder.
Refer to the service manual『Comet650 (99000-94810)』page 2 - 17

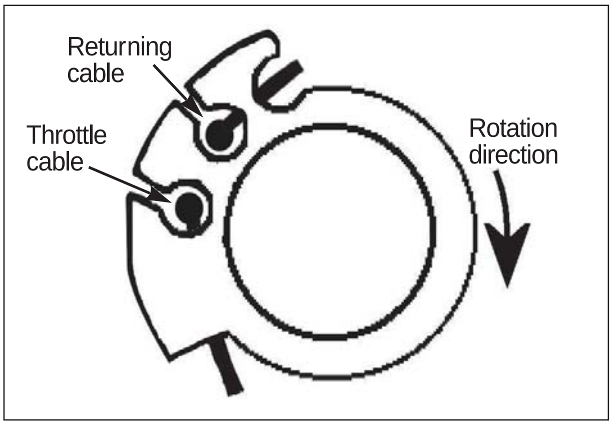
● Apply SUPER GREASE¡ A¡ to the throttle cables.

SUPER GREASE¡ A¡ –

● Install the throttle cable and returning cable to the throttle grip ①, ②.

① : Throttle cable
② : Returning cable



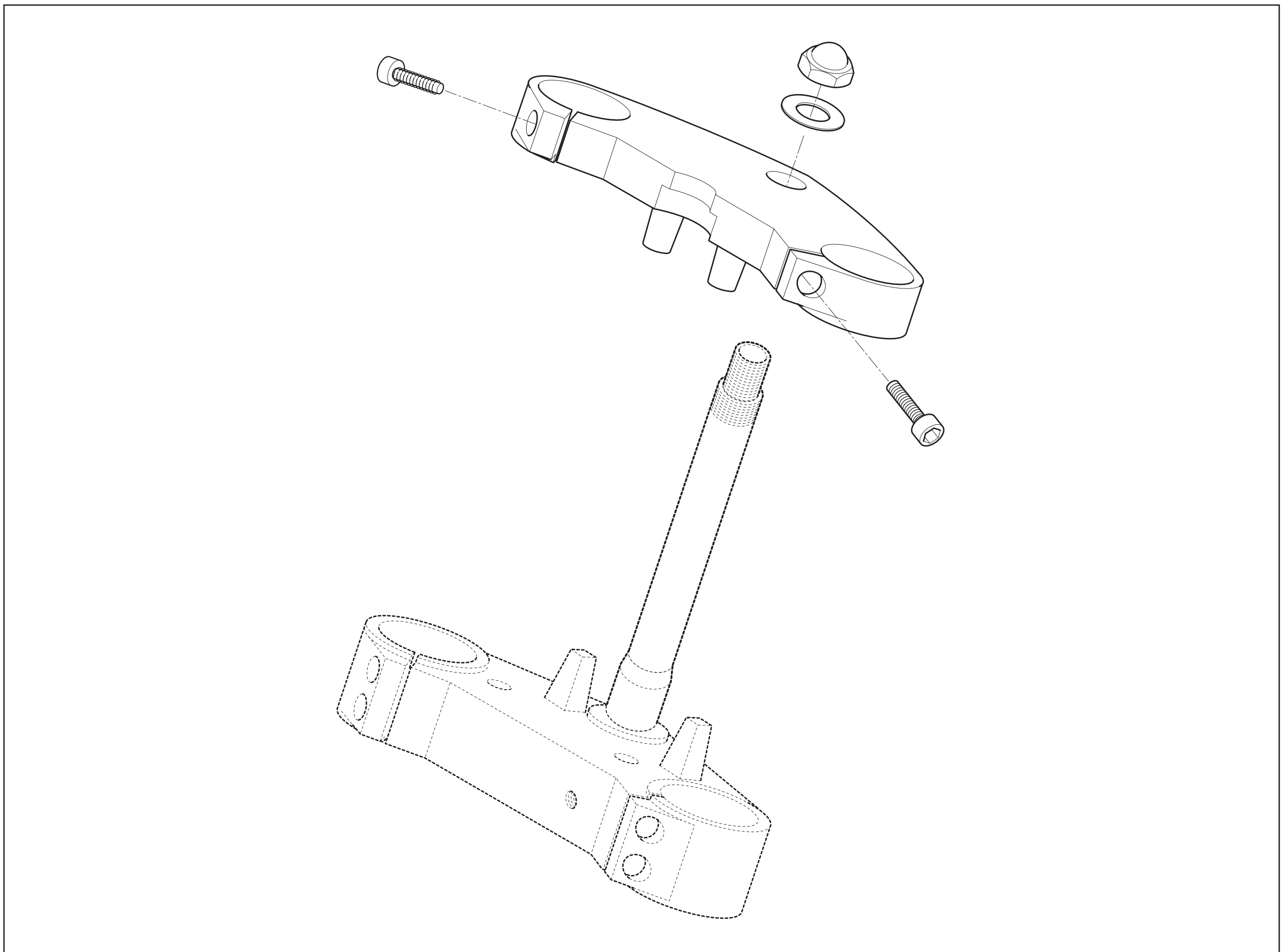


STEERING

Comet650S (Standad type)

☞ Refer to the service manual『Comet650 (99000-94810)』 page 7- 23 ~ 25

Comet650S (Sports type) & Comet650R



REMOVAL AND DISASSEMBLY

- Remove the under cowling and body cowling. (Comet650R)
  (Refer to page 7-1-2 ~ 5)
- Remove the body cowling. (Comet650S)
  (Refer to page 7-1-4 ~ 5)
- Take off the front wheel.
  ☞ Refer to the service manual 『 Comet650 (99000-94810)』 page 7-2
- Remove the four bolts and front fender.
- Take off the front fork.
  ☞ Refer to the service manual 『 Comet650 (99000-94810)』 page 7-16



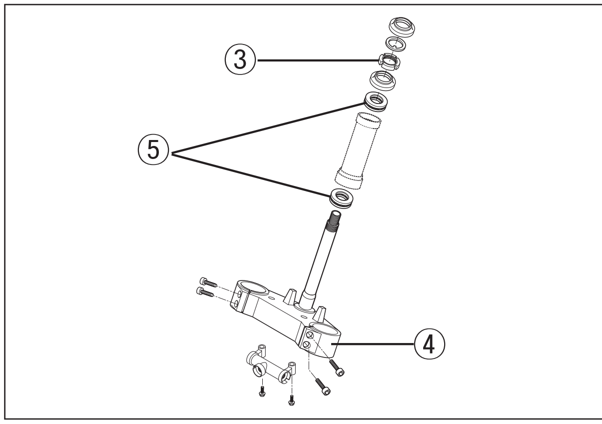
- Remove the handlebar clamp bolts.
- Remove the steering stem head nut ① and take off the steering stem upper bracket ②.



- Remove the steering stem nut ③ and draw out the steering stem.

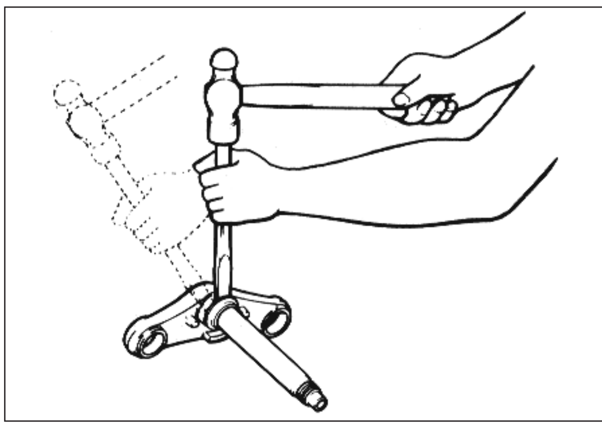
TOOL **Clamp wrench : 09940-10122**

- Take off the steering stem lower bracket ④.

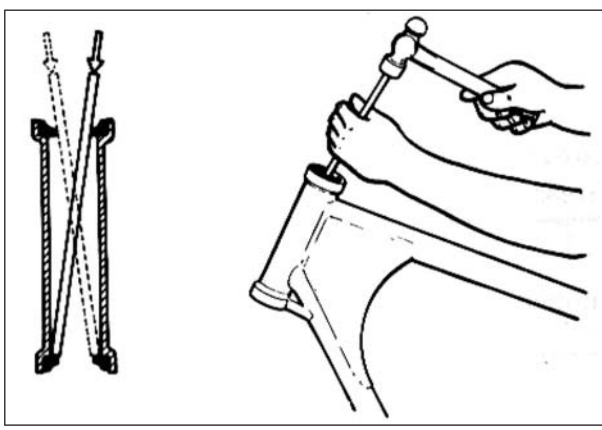


CAUTION
Hold the steering stem lower bracket by hand to prevent from falling.

- Remove the upper and lower bearings ⑤.
- Remove the outer race fitted on the steering stem. This can be done with a chisel.



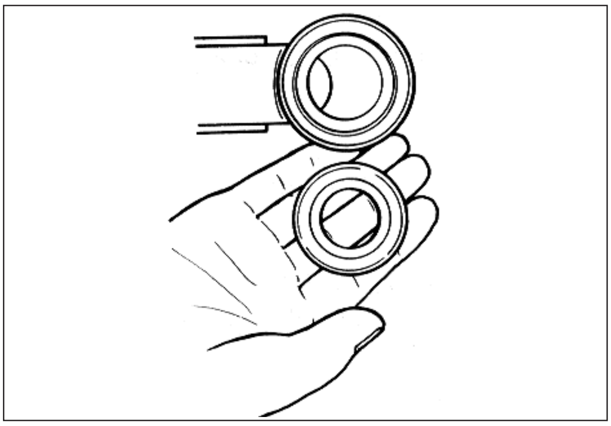
- Draw out the two inner races fitted to the top and bottom ends of the head pipe.



INSPECTION

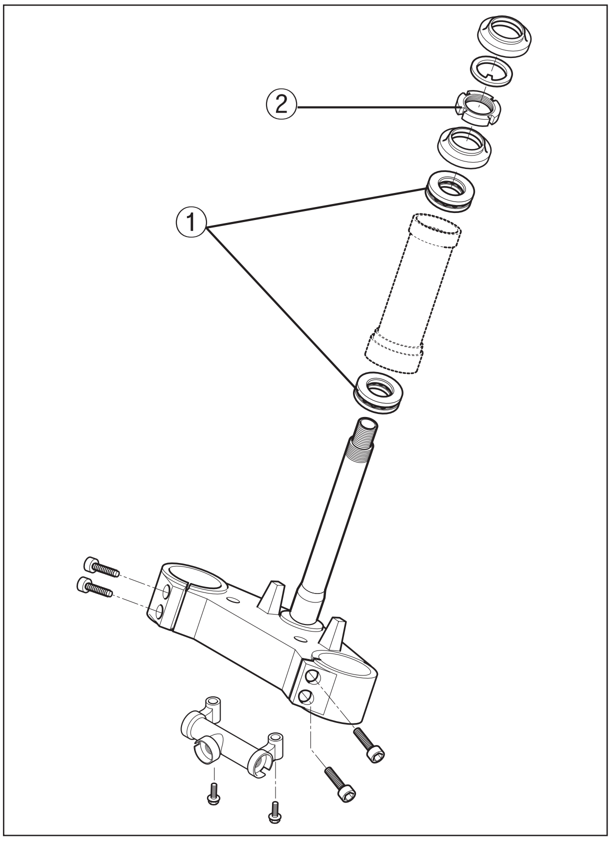
Inspect and check the removed parts for the following abnormalities.

¡⁄Handlebar distortion.
¡⁄Handlebar clamp wear.
¡⁄Abnormality operation of bearing.
¡⁄Worn or damaged races.
¡⁄Distortion of steering stem.



REASSEMBLY

Reassemble and remount the steering stem in the reverse order of disassembly and removal, and also carry out the following steps :



● Apply SUPER GREASE¡ A¡ –to the upper bearing and lower bearing ①.

SUPER GREASE¡ A¡ –

● Tighten the steering stem nut ② with the special tool.

Clamp wrench : 09940-10122

Steering stem nut
: 80 ~ 100 N¡⁄m (8.0 ~ 10.0 kg¡⁄m)

● Turn the steering stem right and left, lock-to-lock, five or six times.

● Tighten the steering stem head nut ③ to the specified torque.

Steering stem head nut
: 80 ~ 100 N¡⁄m (8.0 ~ 10.0 kg¡⁄m)



⚠ CAUTION

After performing the adjustment and installing the steering stem upper bracket, rock the front wheel assembly forward and backward to ensure that there is no play and that the procedure was accomplished correctly. If play is noticeable, re-adjust the steering stem nut.

● Tighten the handlebar clamp bolts, right and left.

Handlebar clamp bolts
: 22 ~ 35 N ¡⁄m (2.2 ~ 3.5 kg ¡⁄m)





SERVICING INFORMATION

CONTENTS

SERVICE DATA .... 38(8-20)

WIRE AND CABLE ROUTING .... 39(8-24-1)

WIRING DIAGRAM .... 47(8-28)

SERVICE DATA

WATTAGE

Unit : W

ITEM	SPECIFICATION		
Head lamp	HI	H1 : 55W	
	LO	H3 : 55W	
License plate lamp	5W		
Brake/Tail lamp	21/5W		
Turn signal lamp	Front : 10W×2 / Rear : 10W×2		
Illumination lamp	1.7W×2		
Neutral indicator lamp	VFD		
Turn signal indicator lamp (Right & left)	VFD		
High beam indicator lamp	VFD		
Fuel indicator lamp	VFD		Level type
Coolant temperature indicator lamp	VFD		Level type

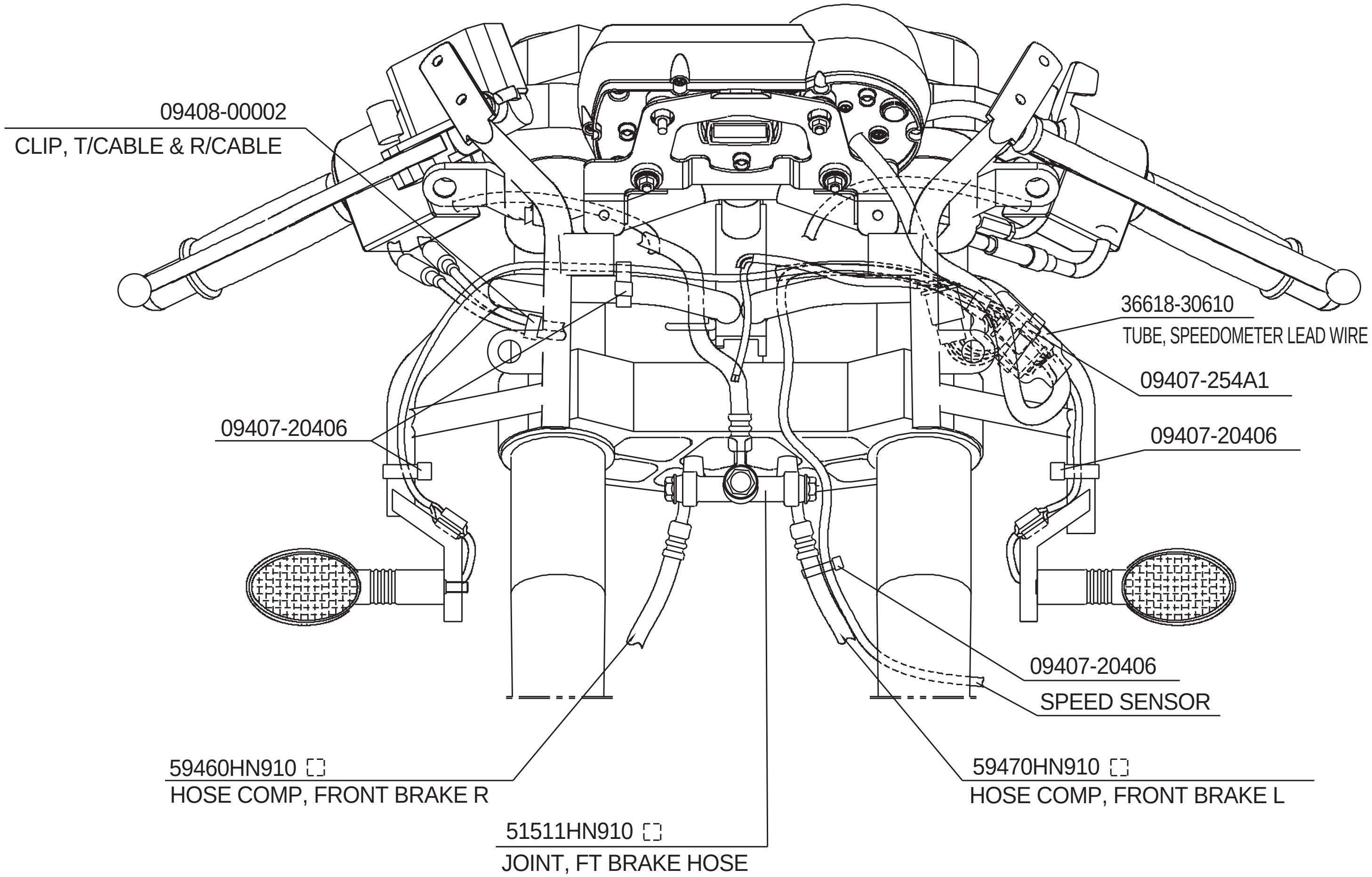
⚠ CAUTION

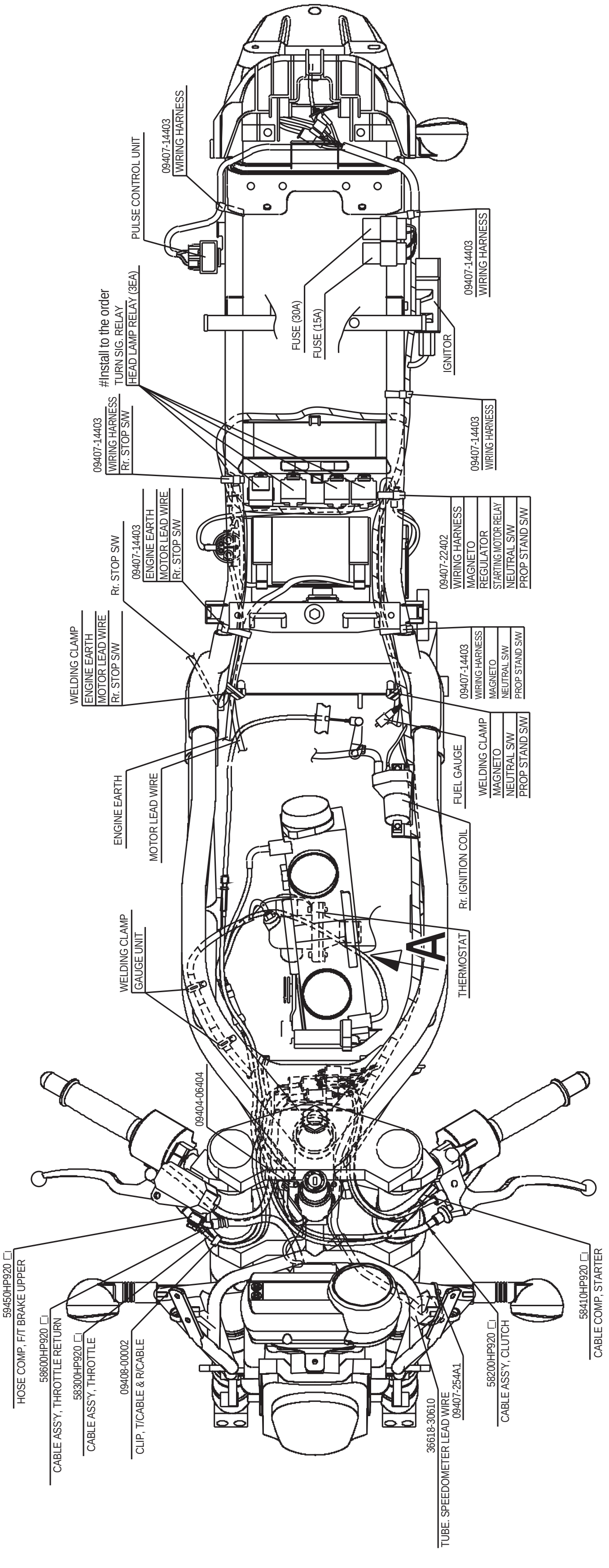
Do not use except the specified bulb (Wattage).

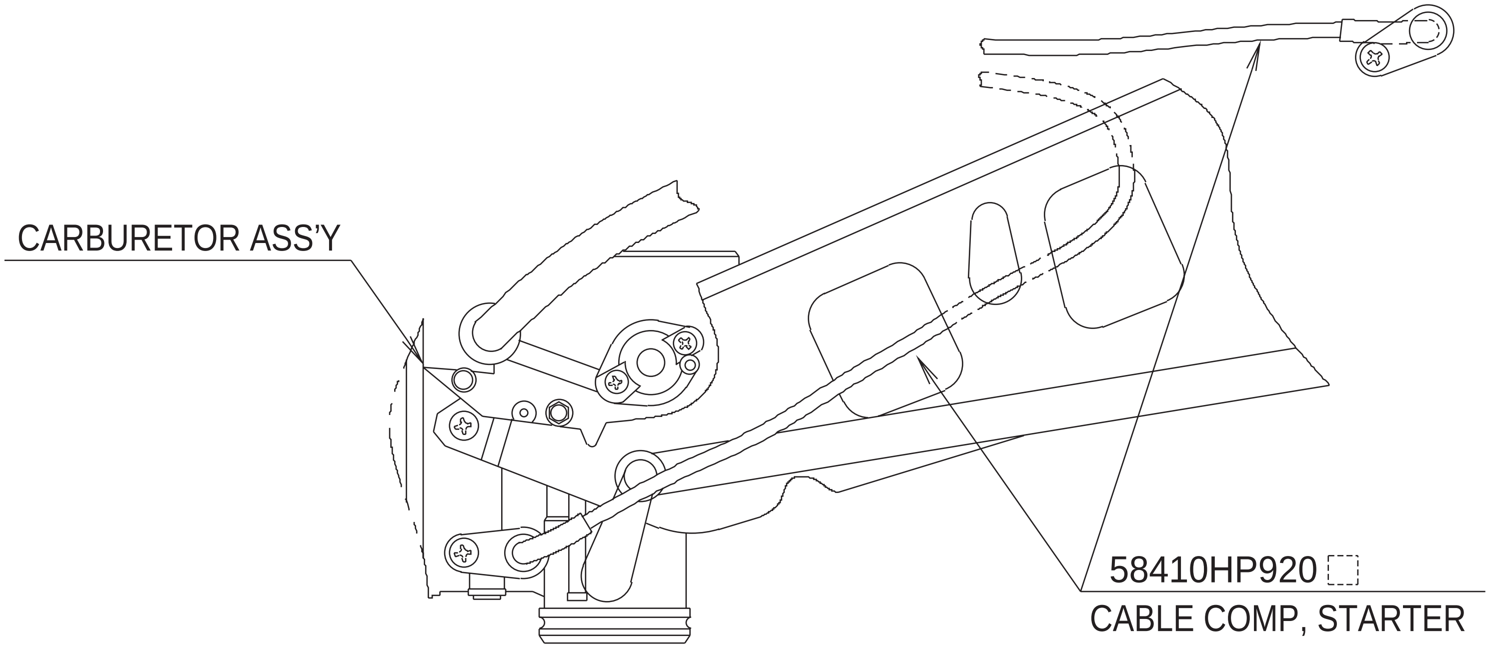
NOTE

VFD : Vacuum Fluorescent Display

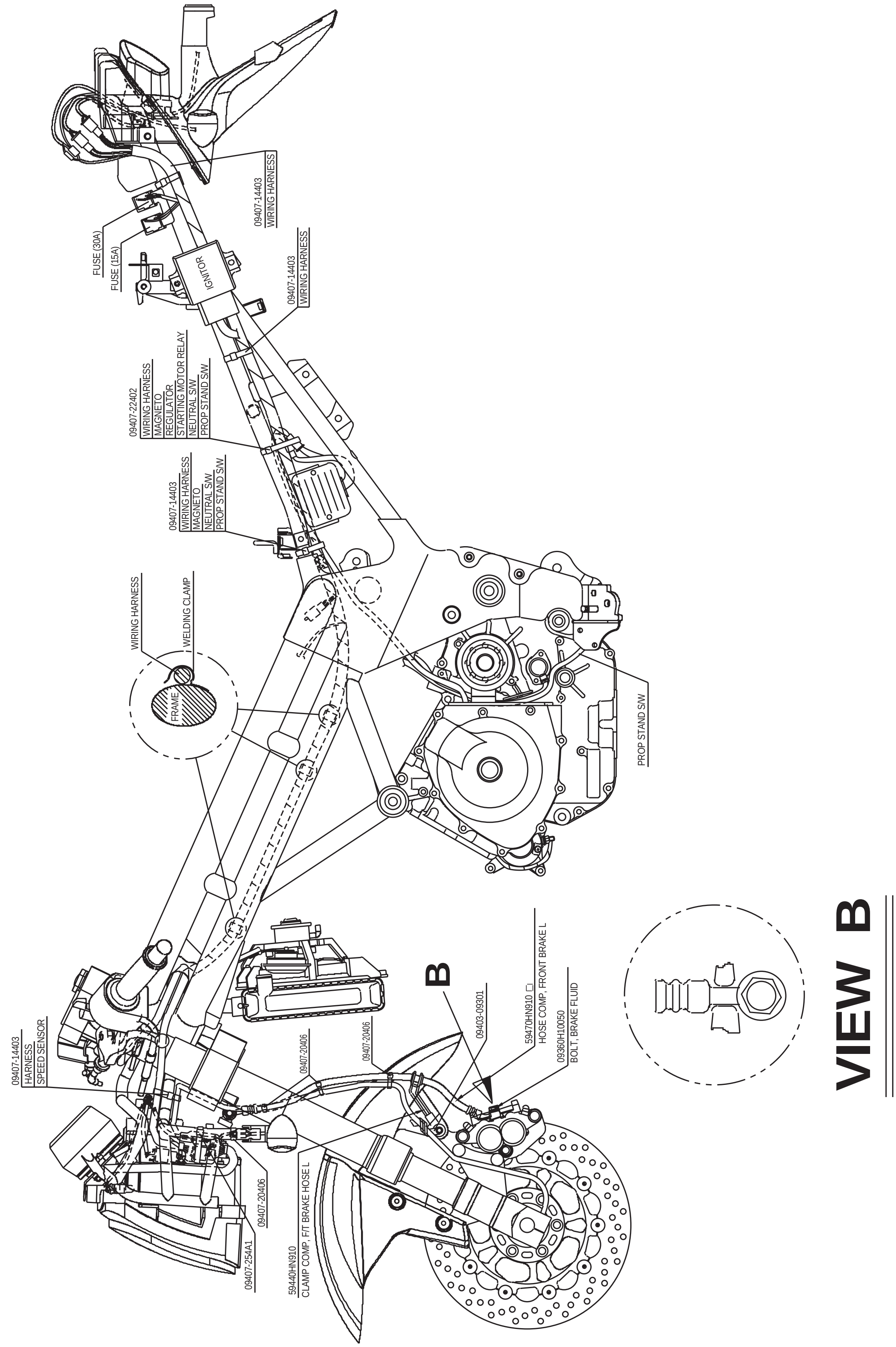
WIRE AND CABLE ROUTING

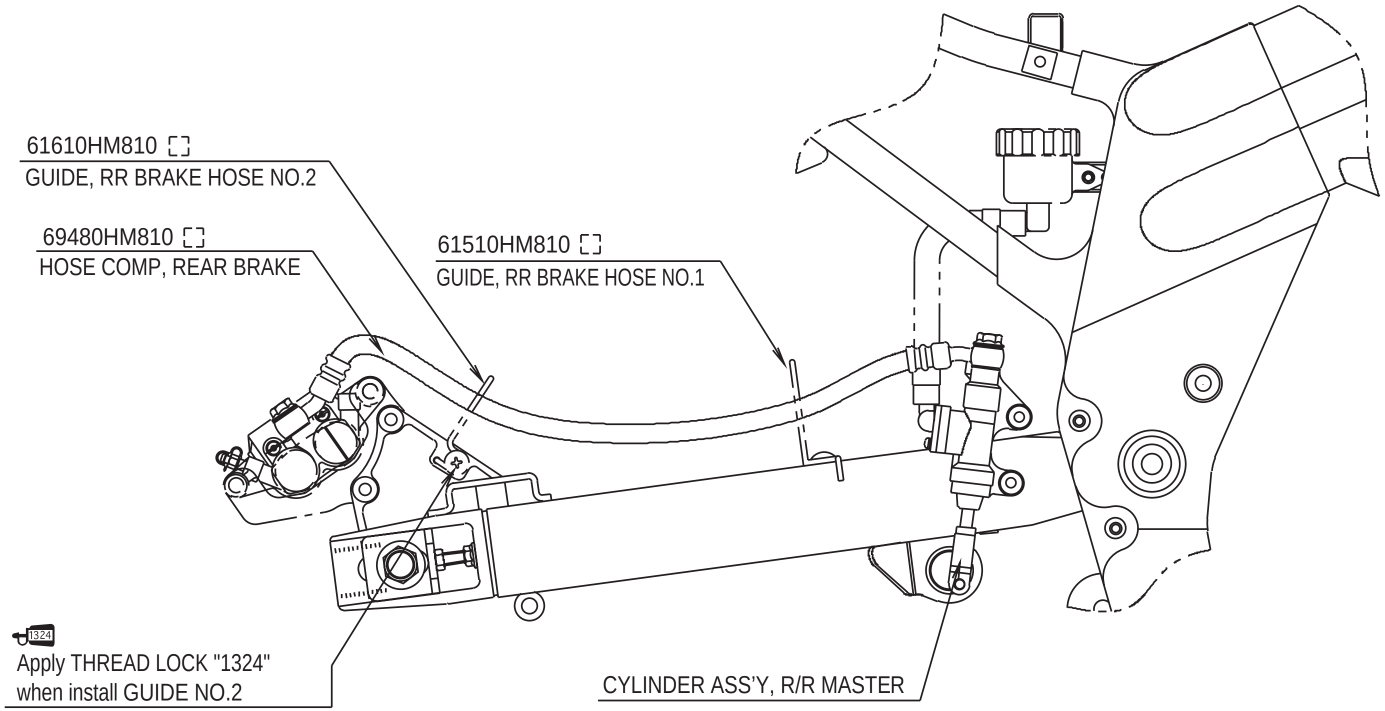


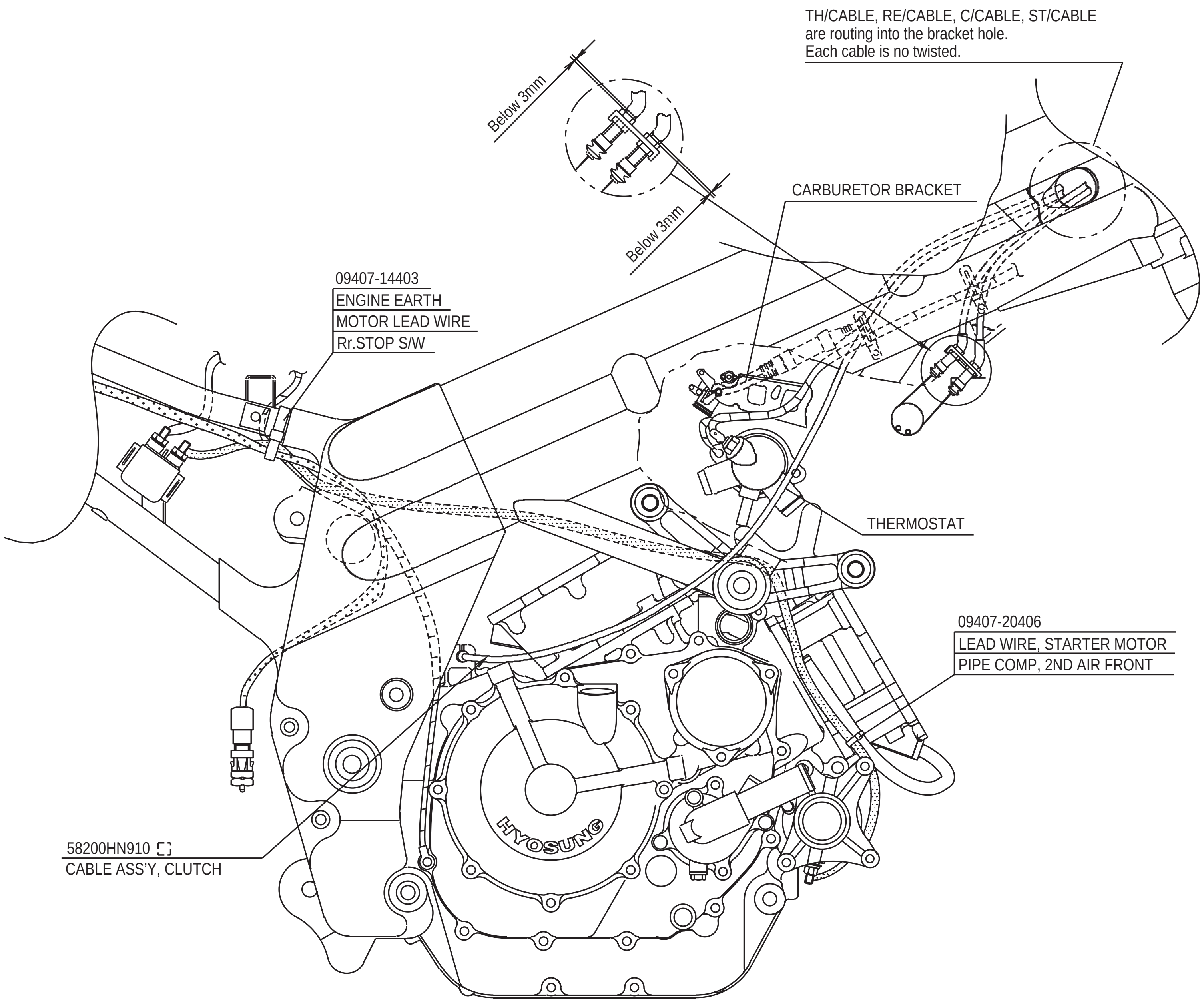

PULSE CONTROL UNIT
09407-14403
WIRING HARNESS
#Install to the order
TURN SIG. RELAY
HEAD LAMP RELAY (3EA)
FUSE (30A)
FUSE (15A)
09407-14403
WIRING HARNESS
IGNITOR
09407-14403
WIRING HARNESS
Rr. STOP S/W
09407-14403
WIRING HARNESS
Rr. STOP S/W
09407-14403
ENGINE EARTH
MOTOR LEAD WIRE
Rr. STOP S/W
09407-22402
WIRING HARNESS
MAGNETO
REGULATOR
STARTING MOTOR RELAY
NEUTRAL S/W
PROP STAND S/W
WELDING CLAMP
ENGINE EARTH
MOTOR LEAD WIRE
Rr. STOP S/W
09407-14403
WIRING HARNESS
MAGNETO
NEUTRAL S/W
PROP STAND S/W
WELDING CLAMP
MAGNETO
NEUTRAL S/W
PROP STAND S/W
FUEL GAUGE
ENGINE EARTH
MOTOR LEAD WIRE
Rr. IGNITION COIL
WELDING CLAMP
GAUGE UNIT
THERMOSTAT
A
09404-06404
59450HP920 □
HOSE COMP, F/T BRAKE UPPER
58600HP920 □
CABLE ASSY, THROTTLE RETURN
58300HP920 □
CABLE ASSY, THROTTLE
09408-00002
CLIP, T/CABLE & R/CABLE
36618-30610
TUBE, SPEEDOMETER LEAD WIRE
09407-254A1
58200HP920 □
CABLE ASSY, CLUTCH
58410HP920 □
CABLE COMP, STARTER

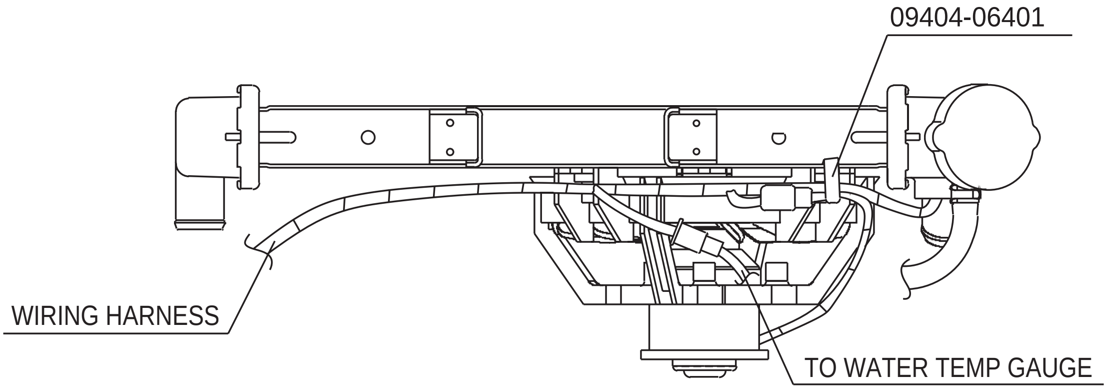


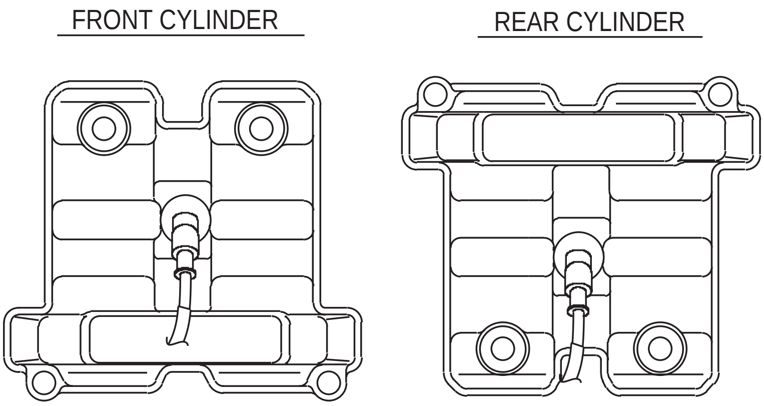
VIEW A


09407-14403
WIRING HARNESS
FUSE (30A)
FUSE (15A)
IGNITOR
09407-14403
WIRING HARNESS
09407-22402
WIRING HARNESS
MAGNETO
REGULATOR
STARTING MOTOR RELAY
NEUTRAL S/W
PROP STAND S/W
09407-14403
WIRING HARNESS
MAGNETO
NEUTRAL S/W
PROP STAND S/W
WIRING HARNESS
WELDING CLAMP
FRAME
PROP STAND S/W
VIEW B
B
09403-09301
59470HN910
HOSE COMP, FRONT BRAKE L
09360H10050
BOLT, BRAKE FLUID
09407-20406
09407-20406
09407-14403
HARNESS
SPEED SENSOR
09407-20406
09407-254A1
59440HN910
CLAMP COMP, F/T BRAKE HOSE L

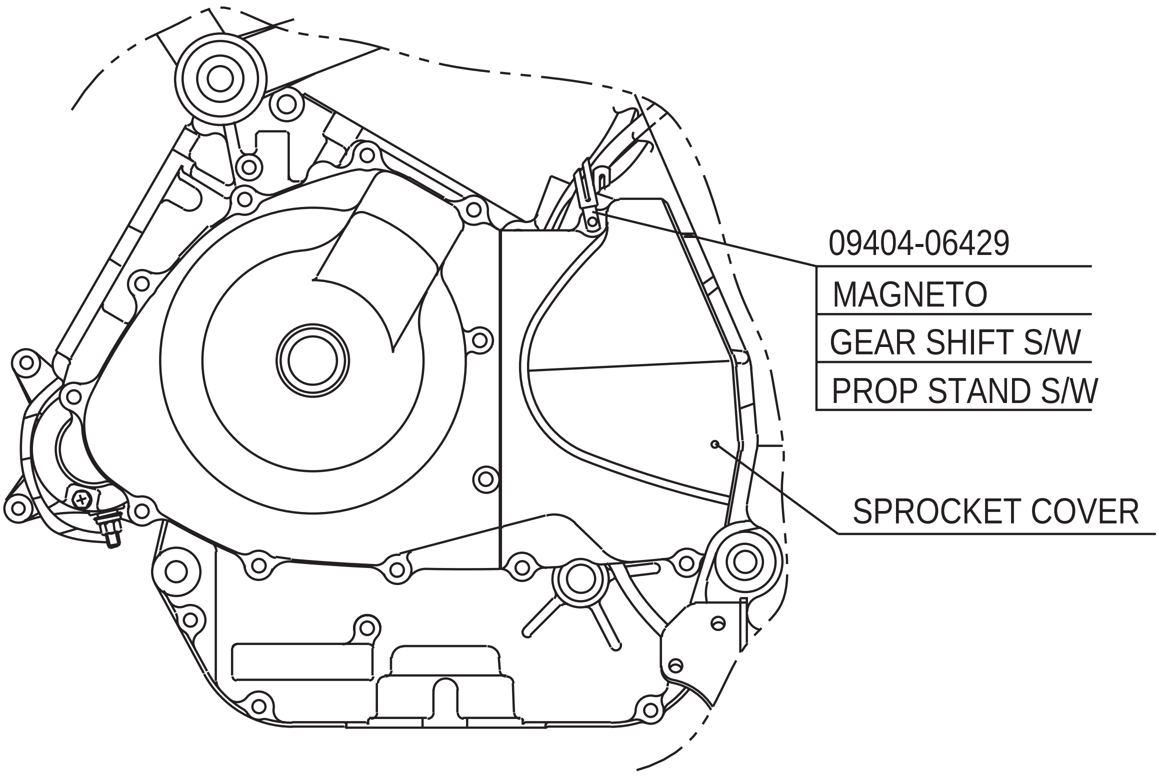

61610HM810
GUIDE, RR BRAKE HOSE NO.2
69480HM810
HOSE COMP, REAR BRAKE
61510HM810
GUIDE, RR BRAKE HOSE NO.1
1324
Apply THREAD LOCK "1324"
when install GUIDE NO.2
CYLINDER ASS'Y, R/R MASTER


TH/CABLE, RE/CABLE, C/CABLE, ST/CABLE
are routing into the bracket hole.
Each cable is no twisted.
Below 3mm
Below 3mm
CARBURETOR BRACKET
09407-14403
ENGINE EARTH
MOTOR LEAD WIRE
Rr.STOP S/W
THERMOSTAT
09407-20406
LEAD WIRE, STARTER MOTOR
PIPE COMP, 2ND AIR FRONT
58200HN910
CABLE ASS'Y, CLUTCH
HYOSUNG

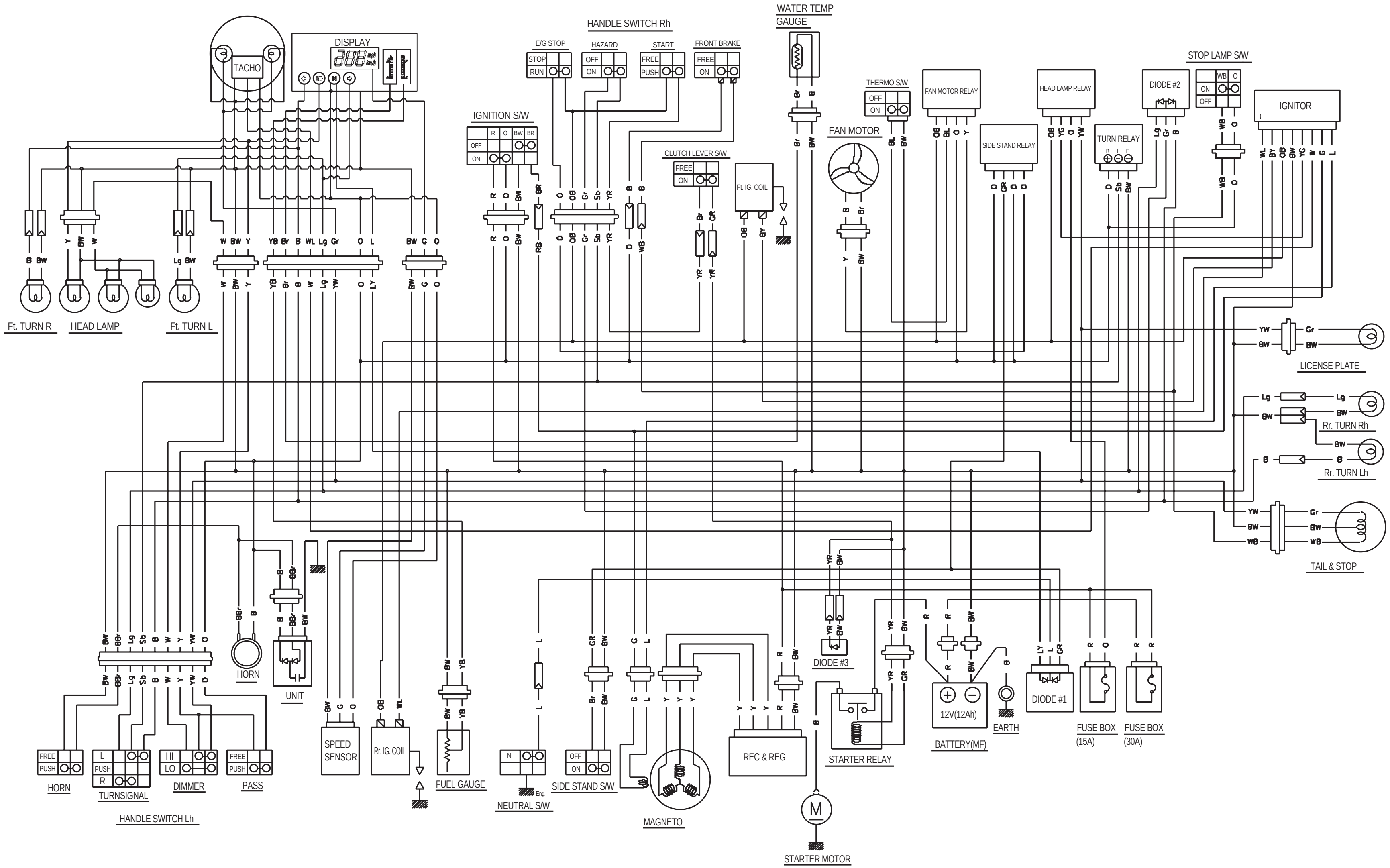




CAUTION FOR HIGHTENTION CORD INSTALLATION DIRECTION


09404-06429
MAGNETO
GEAR SHIFT S/W
PROP STAND S/W
SPROCKET COVER

WIRING DIAGRAM



WIRE COLOR

B : Black	Lg : Light green	Y : Yellow	RB : Red with Black tracer
Br : Brown	O : Orange	BG : Black with Green tracer	RW : Red with White tracer
G : Green	R : Red	BW : Black with White tracer	WB : White with Black tracer
Gr : Gray	Sb : Light blue	BR : Black with Red tracer	WR : White with Red tracer
L : Blue	W : White	LW : Blue with White tracer	YB : Yellow with Black tracer

Prepared by

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